Clarion

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Published by Service Dept. 298-5699-00 MAR.1999 P Printed in Taiwan B.O.C.

# Service Manual





RDS-EON/FM-MPX/MW/LW Radio CD combination with CD/MD changer control

Model

DRX6575Rz

(PE-2191E-B)

### ■ SPECIFICATIONS

Radio section

Tuning system:

PLL synthesizer tuner

Receiving frequencies:

FM: 87.5MHz to 108MHz

(0.05MHz steps)

MW: 531kHz to 1629kHz

(9kHz steps)

LW: 153kHz to 279kHz

(3kHz steps)

CD Player section

System:

Compact disc digital audio system

Frequency response:

5Hz to  $20kHz(\pm 1dB)$ 

Signal to noise ratio:

100dB(1kHz) IHF-A

Dynamic range:

95dB(1kHz)

Distortion:

0.01%

Wow & flutter:

Below measurement limits.

General

Max. power output: 4 × 40W

Power supply voltage:

14.4V DC(10.8 to 15.6V allowable),

negative ground

Power consumption: Less than 15A

Speaker impedance:  $4\Omega(4\Omega \text{ to } 8\Omega \text{ allowable})$ 

Auto antenna rated current:

500mA or less

Weight:

Main unit

1.7kg Remote control unit

30g (including battery)

Dimensions(mm):

Main unit

 $178(W) \times 50(H) \times 155(D)$ Remote control unit  $44(W) \times 110(H) \times 27(D)$ 

\* Specifications and design are subject to change without notice for further improvement.

#### NOTE

We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

### COMPONENTS

#### PE-2191E-B

	1
RCB-130-70 <b>O</b>	1
	2
300-7745-00	1
335-6035-02	1
370-5774-0 <b>0</b>	1
854-6316-B <b>O</b>	1
331-2548-00	2
335-0833-01	1
716-0496-01	1
345-3653-01	1
850-6681-00	1
	300-7745-00 335-6035-02 370-5774-00 854-6316-80 331-2548-00 335-0833-01 716-0496-01 345-3653-01

#### ■ FEATURES

- 1.Rotary Encoder Control with Illuminated Search Key
- 2.Fully Detachable Flip Down Control Panel
- 3.RDS-Pro Receiver with EON, PS, AF, TAT P, PTY, REG and CT
- 4.CD-Deck with 1-Bit D/A Converter and 8-Times Oversampling
- 5.High Power 4×40 W Max./4 Gold Platel ■RCA Line Level Output
- 6.Controller for MD and CD Changer

### ■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1.Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability(PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified part; being used.

Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulationtubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3.Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4.Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6.Cautions in handing flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

- 7.Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit
- 8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handing the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

#### 9-1.Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

#### 9-2.Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

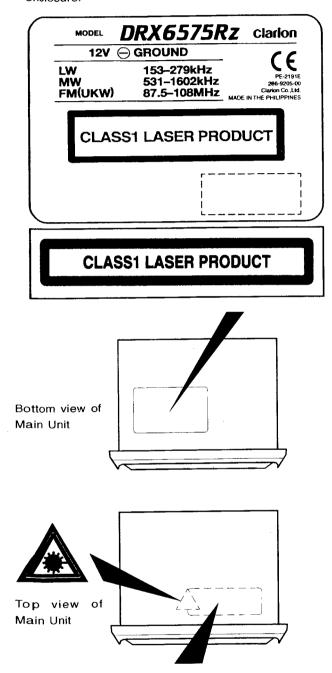
#### 9-3.Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropolalcohol to lens paper and wipe the lens gently.



### ■ CAUTIONS

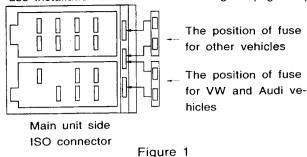
This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUST". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



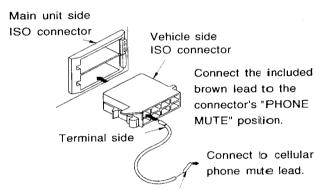
-INVISIBLE LASER RADIATION WHEN OPEN AND CAUTION INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM. VORSICHTI UNSICHTBARE LASERSTRAHLUNG TRITT AUS. WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEQELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZENI -OSYNLIG LASERSTRÅLNING NÄR DENNA DEL VARNING ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG. -USYNLIG LASERSTRÄLING VED ÄBNING, NÄR ADVARSEL SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.

### ■ NOTES OF ISO CONNECTOR

1.For VW and Audi vehicles, change the position of fuse installation as shown on the diagram.(Figure 1)



2. The lead include with the unit must be connected to the specified position of the vehicle's ISO connector in order to use the "triggered audio mute for cellular telephones" function. (Figure 2)



Fasten using insulating tape, etc., to prevent short-circuits at the connection.

Figure 2



### ■ TROUBLESHOOTING

	Problem	Cause	Measure
	Power dose not turn on.	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
	(No sound is produced.)	Incorrect wiring.	Consult your store of purchase.
General	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	<ol> <li>Turn the unit off.</li> <li>Remove all wires attached to the power antenna lead.         Check each wire for a possible short to ground using an ohm meter.</li> <li>Turn the unit back on.</li> <li>Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage(excessive current required).</li> </ol>
95	Nothing happens when buttons are pressed.  Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press OPEN button and remove the DCP.  Press the reset button for about 2 seconds with a thin rod.  Reset button
		DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
	Compact disc cannot be loaded.	Another compact disc is already loaded.	Eject the compact disc before loading the new one.
	Sound skips or is	Compact disc is dirty.	Clean the compact disc with a soft cloth.
8	noisy.	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.

### **■ ERROR DISPLAYS**

If an error occurs, one of the following displays is displayed. Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
2	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
er	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
changer	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
S	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
nger	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
MD changer	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

### **■** ADJUSTMENT

Item	Procedure	Measuring instrument
S-meter	1.Input the 98.1MHz/30dB $\mu$ (400Hz-MOD 30%) signal.	00
	2. Turn on the power switch. And press the AF button and CH6 button at the	SG
	sametime.(TESTMODE)	
	3.Adjust the reading of LCD indicator to [3000] (3.0V ± 0.2V) by VR1.	

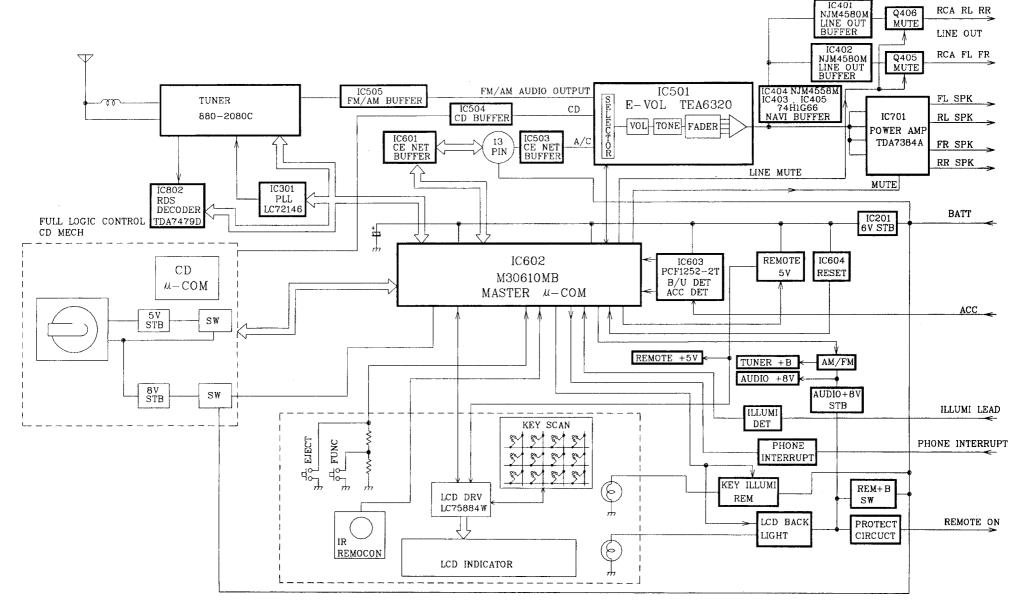
Adjustment point



Top side of main unit



DRX6575Rz



### ■ EXPLANATION OF IC:

#### ■ M30620MC-322FP 052-3907-00 MASTER MICRO COMPUTER

```
1.Outward Form: 100 pins QFP
2.Terminal Description
                    : IN : PLL IC S STOP
 pin 1; S STOP
                    : IN : PLL IC IN LOCK PIN
 pin 2: IN LOCK
 pin 3:NC
                     : IN : GND
 pin 4: REMOCON
                     : IN : IR REMOCON input
 pin 5 : SBSY
                     : IN
                         : GND
                     · IN
 nia
      6: NC
                    : IN : RDS output terminal for discharging the v-
 pin 7 : RDS CLK
                           oftage detected by RDS NOISE
                         : Input terminal of DATE detection.
 pin 8:BYTE
      9 : VSS
                     : IN : GND
 pin
                     : IN : Connecting terminal for oscillating crystal
 pin 10 : XCIN
                           for 32.768K
                         : Connecting terminal for oscillating crystal
 pin 11: XCOUT
                           for 32.768K
                     : IN: Micro computer will stop by turning this te-
 pin 12 : RESET
                           rminal to "Low"
                     : O : Connecting terminal for oscillating crystal
 pin 13: X OUT
                           for main system clock CSTCC 10MG
                     : - : GND
 pin 14 : VSS
 pin 15: X IN
                     : IN : Connecting terminal for oscillating crystal
                           for main system clock CSTCC 10MG
 pin 16: VCC
                     : - : Outputs signal for 5V power supply GND
 pin 17: NC
                     : IN : GND
 pin 18: ACC DET : IN: ON/OFF detection terminal for ACC power
                           supply.
                     : IN : When this terminal turns low, Micro compt-
 pin 19 : B/U DET
                           er detects the B/U OFF and turns micro co-
                           mputer to STOP mode, stopping oscillation.
                     : IN : KEY insertion input terminal low when E-
 pin 20: KEY INT
                           JECT KEY or FNC (POWER) KEY pushed
                           when this terminal turns low.KEY A/D
                           terminal detects the KEY pushed.
 pin 21:29 PIN CONECT
                       IN: Micro computer to 29 PIN terminal
                      : IN: GND
     22 : NC
  pin
                      : IN : GND
     23 : NC
  pin
      24 : BEEP
                           BFFP output terminal
                           Outputs terminal for motor antenna signal.
     25 : AUTO ANT : O
                            Output "H" in RADIO mode.
  pin 26: DIMMER: O: With dimmer ON: "H"
                            With dimmer OFF:"L"
                      : IN: GND
  pin 27: NC
                           Serial data communication line with driver
  pin 28 : LCD CE
                      . 0
     29 : IE BUS RX : IN
                          : IE BUS data communication line
     30 : IE BUS TX
                          : IE BUS data communication line
                       0
                          : Serial data communication line with driver
     31: LCD DO
  pin
      32 : LCD DI
                            Serial data communication line with driver
  pin
                            Serial data communication line with driver
      33 : LCD CLK
  pin
                          : PLL IC control line
      34 : PLL CE
  pin
      35 : PLL DO
                       O: PLL IC control line
      36 : PLL DI
                       IN : PLL IC control line
      37: PLL SCK
                       O : PLL IC control line
                       IN: Detecting terminal for FM stereo indicator
  pin
     38 : FM-ST
                       O:NC
  pin 39: NC
  pin 40: NC
                       O:NC
  pin 41 : LCD CONT
                      : O : LCD signal output terminal
                      : IN : Initial setting for "H"=BLINK LED
  pin 42: INT 1
                      : IN : Initial setting for "H"=POWER ANT
  pin 43: INT 2
                            Serial data communication line to electro-
      44: VOL CLK
                      : 0
                            nic volume IC
                            Serial data communication line to electro-
  pin 45: VOL DO
                      · 0
                            nic volume IC
  pin 46: TONE BYPASS
                            Tone bypass terminal
                            BLINKING LED
      47 : CATS LED : 0
  pin
  pin 48 : BUC0
                        0
                            CD MECH connect terminal
                          : CD MECH connect terminal
      49 : BUC1
  pin
                        O: CD MECH connect terminal
      50 : BUC2
  pin
                        O: CD MECH connect terminal
  pin 51: BUC3
                        O: Connected to CD MECHA
  pin 52: BUCK
  pin 53: CCE
                        O: Connected to CD MECHA
                      : IN : Reset output terminal for CD module CX-
      54 : RST
```

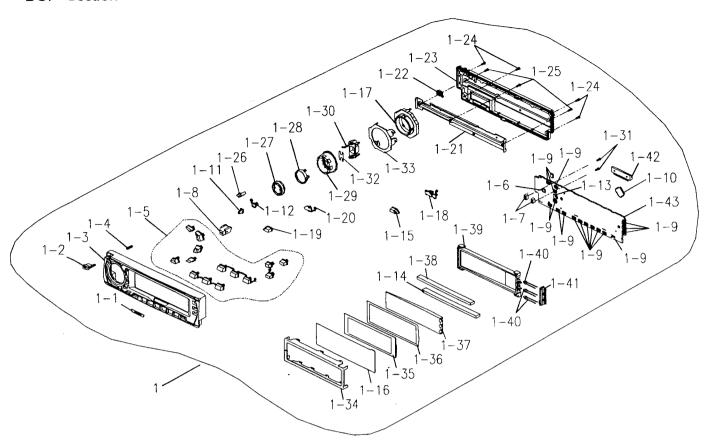
D2545Q

```
pin 55 : CHACK SW : IN :
                   : IN : CD module photo sensor input terminal.
pin 56 : TRA
   57: TR B
                    · IN
                        : CD module photo sensor input terminal.
Din
                    : IN : CD module photo sensor input teminal : IN : CD module loading motor control terminal
   58: TR C
pin 59: MCCW
                    : IN : CD module loading motor control terminal
pin 60: MCW
                        : CD 8V power control terminal for CD module
pin 61: CD 8V
                    : 0
                         Power supply terminal
pin 62 : VDD
                    : O : CD 5V power control terminal for CD module
pin 63 : CD 5V
                     - : GND
pin 64 : VSS
pin 65 : NC
                    : IN : GND
pin 66: NC
                    : IN: GND
                    : IN : GND
    67: NC
nia
   68: NC
                     IN: GND
                    : IN : GND
    69: NC
    70: NC
                    : IN : GND
    71: NAV1 MUTE
                    : O : NAV1 MUTE control terminal "H"=MUTE
                    : IN: GND
pin 72 : NC
                    : O : 5V power supply control terminal for system
pin 73:5V REM
                     O: 8V power supply control terminal for system
pin 74:+BREM
    75 : AMP-MUTE
                    : O : AMP-MUTE terminal "L"=MUTE
pin 76: SYS-MUTE
                    : O : SYSTEM-MUTE terminal "L"=MUTE
pin 77 : LINE-MUTE
                     O: LINE OUT MUTE terminal "L" = MUTE
pin 78 : BUS IN/OUT
                    : O : AUDIO IN/OUT control terminal. "H"=IN,
                           "L"=OUT
pin 79: SYS ACC : O : BUS ACC power supply terminal control
pin 80 : AMP REM DET
                     IN: AMP REM voltage detection terminal
pin 81: AMP REM OUT
                        : AMP REM+B outputs Hi by power on, supply
                           +B power
pin 82: AUTO ANT: O: Motor antenna output terminal.Outputs Hi
pin 83: PHONE INT
                     IN: "H"=TEL ON signal input
pin 84 : JOG CCW : IN : JOG VR input terminal (L)
pin 85 : JOG CW
                    : IN : JOG VR input terminal (R)
pin 86 : FM SD
                    : IN : Dectection terminal for FM SD Judges SD
                           ON by Hi
                    : IN : Dectection terminal for AM SD.Judges SD
pin 87: AM SD
                          ON by Hi
pin 88 : RDS DATA : IN : Input data from RDS decoder
pin 89: RDS DISCG
                    : O : RDS output terminal for discharging the vo-
                           Itage detected by RDS NOISE
pin 90 : RDS MUTE
                    : O : RDS output terminal for noise reduction during
                           follow-up motion
                         · Connects FM S meter and charages indication
pin 91: S-METER: IN
                           by the wave strength
                    : IN : Noise level detection terminal 1 for RDS
pin 92 : NOISE 1
 pin 93 : NOISE 2
                      IN: Noise level detection terminal 2 for RDS
 pin 94: ILL DET
                      IN: Illumination signal detection terminal
 pin 95 : DIMMER IN
                      IN: GND
 pin 96: AVSS
                          GND
                          Detection terminal for OPEN/EJECT/FNC
 pin 97 : KEY A/D
                          KFY
                         : Standard applied voltage termina for A/D
 pin 98: AVREF
                           convert
 pin 99: AVCC
                         : B/U 5V voltage supply for A/D cov ent
 pin 100 : NC
                     : IN : GND
```



## ■ EXPLODED VIEW · PARTS LIST:

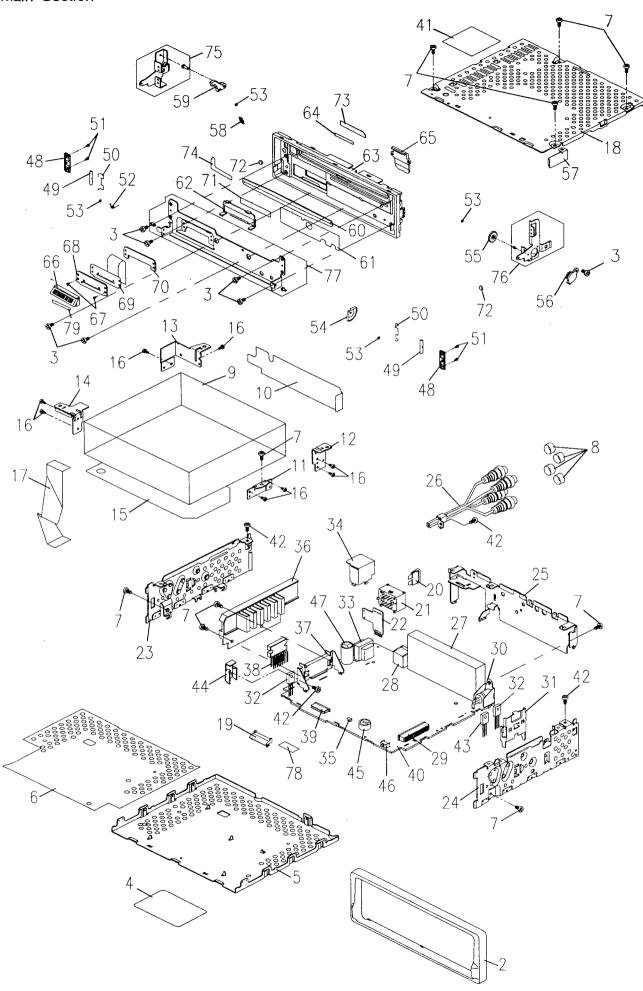
### DCP Section



1 DCP-159-700 DCP ASSY 1 1-1 378-0515-00 BADGE 1 1-2 382-5152-00 BUTTON 1 1-3 370-5770-02 ESCUTCHEON 1 1-4 750-3339-10 SPRING 1 1-5 947-0489-03 BUTTON ASSY 1 1-6 001-7040-90 DIODE 1 1-7 013-6302-50 SWITCH 2 1-8 335-5833-00 IR FILTER 1 1-9 013-6504-50 LUMISWITCH 18 1-10 051-6037-00 IC 1 1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-18 335-5832-00 BUTTON 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1				0001
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1-6       001-7040-90       DIODE       1         1-7       013-6302-50       SWITCH       2         1-8       335-5833-00       IR FILTER       1         1-9       013-6504-50       LUMISWITCH       18         1-10       051-6037-00       IC       1         1-11       382-5155-00       BUTTON       1         1-12       335-5834-00       BUTTON HOLDER       1         1-13       060-4008-00       IR-RECEIVER       1         1-14       345-8256-00       RUBBER PART       1         1-15       382-5145-00       BUTTON       1         1-16       373-0908-10       DIAL-CVR       1         1-17       013-8001-00       JOG ROTARY SW       1         1-18       335-5832-00       BUTTON HOLDER       1         1-20       335-5835-00       BUTTON HOLDER       1	1-4	750-3339-10	SPRING	1
1-7 013-6302-50 SWITCH 2 1-8 335-5833-00 IR FILTER 1 1-9 013-6504-50 LUMISWITCH 18 1-10 051-6037-00 IC 1 1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON 1 1-19 382-5150-00 BUTTON 1 1-19 382-5150-00 BUTTON 1	1-5	947-0489-03	BUTTON ASSY	1
1-8 335-5833-00 IR FILTER 1 1-9 013-6504-50 LUMISWITCH 18 1-10 051-6037-00 IC 1 1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON 1 1-19 382-5150-00 BUTTON 1 1-19 382-5150-00 BUTTON 1	1-6	001-7040-90	DIODE	1
1-9 013-6504-50 LUMISWITCH 18 1-10 051-6037-00 IC 1 1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON 1	1-7	013-6302-50	SWITCH	2
1-10 051-6037-00 IC 1 1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1	1-8	335-5833-00	IR FILTER	1
1-11 382-5155-00 BUTTON 1 1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1	1-9	013-6504-50	LUMISWITCH	18
1-12 335-5834-00 BUTTON HOLDER 1 1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1	1-10	051-6037-00	IC	1
1-13 060-4008-00 IR-RECEIVER 1 1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON HOLDER 1	1-11	382-5155-00	BUTTON	1
1-14 345-8256-00 RUBBER PART 1 1-15 382-5145-00 BUTTON 1 1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON HOLDER 1	1-12	335-5834-00	BUTTON HOLDER	1
1-15     382-5145-00     BUTTON     1       1-16     373-0908-10     DIAL-CVR     1       1-17     013-8001-00     JOG ROTARY SW     1       1-18     335-5832-00     BUTTON HOLDER     1       1-19     382-5150-00     BUTTON     1       1-20     335-5835-00     BUTTON HOLDER     1	1-13	060-4008-00	IR-RECEIVER	1
1-16 373-0908-10 DIAL-CVR 1 1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON HOLDER 1	1-14	345-8256-00	RUBBER PART	1
1-17 013-8001-00 JOG ROTARY SW 1 1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON HOLDER 1	1-15	382-5145-00	BUTTON	1
1-18 335-5832-00 BUTTON HOLDER 1 1-19 382-5150-00 BUTTON 1 1-20 335-5835-00 BUTTON HOLDER 1	1-16	373-0908-10	DIAL-CVR	1
1-19     382-5150-00     BUTTON     1       1-20     335-5835-00     BUTTON HOLDER     1	1-17	013-8001-00	JOG ROTARY SW	1
1-20 335-5835-00 BUTTON HOLDER 1	1-18	335-5832-00	BUTTON HOLDER	1
000 0000 00	1-19	382-5150-00	BUTTON	1
	1-20	335-5835-00	BUTTON HOLDER	1
1-21   331-2554-00   REAR-CVR-P 1	1-21	331-2554-00	REAR-CVR-P	1
1-22 382-5172-00 BUTTON 1	1-22	382-5172-00	BUTTON	1_

NO.	PARTS NO.	DESCRIPTION	Q'TY
1-23	335-5860-00	REAR-CVR	1
1-24	716-0872-12	SCREW	4
1-25	738-2035-17	PRECISION	3
1-26	335-5836-01	DUMMYBUTTON	1
1-27	382-5159-00	BUTTON	1
1-28	335-5841-00	BUTTON HOLDER	1
1-29	380-5437-00	JOG DIAL	1
1-30	335-5842-00	BASE PLATE	1
1-31	716-0872-01	SCREW	2
1-32	347-5951-10	REFLECTOR	1_
1-33	331-2538-00	JOG SWITCH HOLDER	1_
1-34	331-2522-10	LCD-CVR	1
1-35	379-1148-41	INDICATOR	1
1-36	347-5911-10	CCS-FILM	1_
1-37	335-5850-00	ILLUMIPLATE	1
1-38	345-8261-10	RUBBER CONNECT	1_
1-39	335-5851-00	LCD HOLDER	1_1_
1-40	001-7030-00	DIODE	3
1-41	335-5852-00	LED HOLDER	1
1-42	076-0535-01	PLUG	1
1-43	039-1393-00	SWITCH PWB (WITHOUT COMPONENT)	1

### Main Section



2 370-5774-00 ESCUTCHEON 1 1 42 714-3008-81 MACHINE SCREW 7 4 37 769-2004-01 SCREW 7 7 43 101-1143-00 TRANSISTOR 1 44 1313-1745-00 HEAT SINK 1 5 304-0462-00 LOWER-CVR 1 1 45 042-0576-00 DOUBLE-LAYER-C 1 6 347-5918-10 INSULATOR 1 46 013-6100-00 SWITCH 7 731-3006-80 TAPTIGHT 10 47 042-0447-00 COIL 99 929-0069-82 CD-MECH-MO 1 49 341-1704-00 SPRING HOLDER 1 1 331-2543-00 CD-SUB-BRK 1 50 750-3327-01 SPRING 1 1 50 750-3327-01 SPRING 1 1 1 331-2544-00 CD-SUB-BRK 1 50 750-3327-00 SUB-BRK 1 1 51 738-1722-17 PRECISION SCREW 1 1 53 37-2542-00 CD-SUB-BRK 1 1 53 37-2542-00 CD-SUB-BRK 1 1 53 37-2542-00 CD-SUB-BRK 1 1 54 613-0686-00 FANGEAR 1 1 55 750-3342-00 SPRING 1 1 55 760-3347-00 SEAR 1 1 55 750-3342-00 SEAR 1 1 57 750-3342-00 SEAR 1 1 1 57 750-3342-00 SEAR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO.	PARTS NO.	DESCRIPTION	Q'TY	NO.	PARTS NO.	DESCRIPTION	Q'TY
3   780-2004-01   SCREW   7   43   101-1143-00   TRANSISTOR     4   286-9205-00   SETPLATE   1   44   313-1745-00   HEAT SINK     5   304-0462-00   LOWER-CVR   1   45   042-0576-00   DOUBLE-LAYER-C     6   347-5918-10   INSULATOR   1   45   042-0576-00   DOUBLE-LAYER-C     7   731-3006-80   TAPTICHT   10   47   042-0447-00   COIL     8   345-3799-00   RUBBER PART   4   48   335-5848-00   SPRING HOLDER     9   929-0069-82   CD-MECH-MO   1   49   341-1704-00   ROILLER     10   347-5993-00   INSULATOR   1   50   750-3327-01   SPRING     11   331-2543-00   CD-SUB-BRK   1   51   738-1722-17   PRECISION SCREW     12   331-2543-00   CD-SUB-BRK   1   52   750-3342-00   SPRING     13   331-2543-00   CD-SUB-BRK   1   53   746-0761-00   WASHER     14   331-2543-00   CD-SUB-BRK   1   55   613-0686-00   FAN-GEAR     15   347-5916-11   INSULATOR   1   55   613-0686-00   GEAR DAMPER     16   716-0717-10   STELL SCREW   8   56   613-0687-00   GEAR DAMPER     17   816-2391-00   FLAT CABLE   1   57   331-2744-00   STOPPER     18   303-0473-00   UPPER-CVR   1   58   750-3341-10   SPRING     19   335-6020-00   CN-CVR   1   59   335-5849-00   HOOK     20   060-0057-57   AUTO-FUSE(15A)   1   60   346-0114-10   LEATH-ER SHEET     21   074-1115-00   OUTLET SOCKET   1   61   290-7676-10   LABEL     22   039-0887-00   SIDE-CVR   1   66   345-5923-10   DOUBLE FACE     24   305-0277-00   SIDE-CVR   1   66   370-5775-00   RNER-ES   1     25   307-0617-00   REAR-CVR   1   66   374-5993-10   DOUBLE FACE     26   855-5427-80   RCA-PIN-CORD   1   67   781-1735-00   PRECISION SCREW   2     27   880-2080C   TUNIER   1   66   074-1145-01   UITLET SOCKET   1   67   347-5993-10   SURGE PROTECT   1     29   074-0988-26   OUTLET SOCKET   1   69   039-1328-01   SURGE PROTECT   1     31   313-1747-00   HEAT SINK   1   70   347-5993-10   SURGE PROTECT   1     32   102-3420-00   TRANSISTOR   2   71   347-5993-10   SURGE PROTECT   1     33   313-2549-00   HEAT SINK   1   77   346-0073-00   HOLDER-ASSY   1     34   347-6010-10   FRACER   1   78   347-601							<del></del>	4
4 286-9205-00 SETPLATE 1 1 44 313-1745-00 HEAT SINK 5 304-0462-00 LOWER-CVR 1 1 45 042-0576-00 DOUBLE-LAYER-C 6 347-5918-10 INSULATOR 1 1 46 013-6100-00 SWITCH 7 731-3006-80 TAPTIGHT 10 47 042-0447-00 COIL 8 345-3799-00 RUBBER PART 4 48 335-5848-00 SPRING HOLDER 2 9 929-0069-92 CD-MECH-MO 1 1 49 341-1704-00 ROLLER 2 10 347-5993-00 INSULATOR 1 1 50 750-3327-01 SPRING 2 1 331-2544-00 CD-SUB-BRK 1 1 51 738-1722-17 PRECISION SCREW 1 1 331-2544-00 CD-SUB-BRK 1 1 52 750-3342-00 SPRING 2 1 331-2544-00 CD-SUB-BRK 1 1 52 750-3342-00 SPRING 2 1 1 331-2544-00 CD-SUB-BRK 1 1 54 613-0886-00 FAN GEAR 1 1 55 3746-0761-00 WASHER 2 1 56 613-0886-00 FAN GEAR 2 1 57 331-2744-00 STOPPER 2 1 1 58 331-2544-00 CD-SUB-BRK 1 1 54 613-0886-00 GEAR 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						<b>-</b>		1
5 304-0462-00 LOWER-CVR 1 4 45 042-0576-00 DOUBLE-LAYER-C 6 347-5918-10 INSULATOR 1 46 013-6100-00 SWITCH 7 731-3006-80 TAPTIGHT 10 47 042-0447-00 COIL 8 345-3799-00 RUBBER PART 4 48 335-5848-00 SPRING HOLDER 2 9 929-0069-82 CD-MECH-MO 1 49 341-1704-00 ROLLER 5 750-3327-01 SPRING 11 331-2543-00 CD-SUB-BRK 1 50 750-3327-01 SPRING 5 11 331-2543-00 CD-SUB-BRK 1 52 750-3342-01 SPRING 5 11 331-2544-00 CD-SUB-BRK 1 52 750-3342-01 SPRING 5 11 331-2544-00 CD-SUB-BRK 1 52 750-3342-00 SPRING 5 11 331-2544-00 CD-SUB-BRK 1 53 746-0761-00 WASHER 1 54 613-0686-00 FANGEAR 5 15 347-5916-11 INSULATOR 1 55 613-0685-00 GEAR 5 11 5347-5916-11 INSULATOR 1 55 613-0685-00 GEAR 5 13-0685-00 GE		<del> </del>			l ———		· · · · · · · · · · · · · · · · · · ·	1
6 347-5918-10 INSULATOR 1 46 013-6100-00 SWITCH 7 731-3006-80 TAPTIGHT 10 47 042-0447-00 COIL 8 345-3799-00 RUBBER PART 4 48 335-5848-00 SPRING HOLDER 2 9 929-0069-82 CD-MECH-MO 1 1 49 341-7704-00 ROLLER 1 331-2545-00 CD-SUB-BRK 1 50 750-3327-01 SPRING 2 1 750-3327-01 SPRING 1 1 331-2545-00 CD-SUB-BRK 1 51 738-1722-17 PRECISION SCREW 1 51 738-1722-17 PRECISION SCREW 1 53 31-2542-00 CD-SUB-BRK 1 53 31-2542-00 CD-SUB-BRK 1 54 613-0686-00 FANGEAR 5 1 54 613-0686-00 FANGEAR 5 1 55 613-0686-00 FANGEAR 5 1 55 613-0686-00 GEAR 5 1 57 331-2744-00 SPRING 5 1 57 331-274-00 SPRING 5 1 57 34		<del> </del>				• <del> </del>		1
7 731-3006-80 TAPTIGHT 10 47 042-0447-00 COIL 8 345-3799-00 RUBBER PART 4 4 8 335-5848-00 SPRING HOLDER 2 9 929-0069-82 CD-MECH-MO 1 1 49 341-1704-00 ROLLER 2 10 347-5993-00 INSULATOR 1 50 750-3327-01 SPRING 3 11 331-2543-00 CD-SUB-BRK 1 50 750-3327-01 SPRING 3 12 331-2545-00 CD-SUB-BRK 1 51 738-1722-17 PRECISION SCREW 4 13 331-2544-00 CD-SUB-BRK 1 53 746-0761-00 WASHER 4 14 331-2544-00 CD-SUB-BRK 1 54 613-0686-00 FANGEAR 5 15 347-5916-11 INSULATOR 1 55 613-0686-00 FANGEAR 5 16 716-0717-10 STEEL SCREW 8 56 613-0687-00 GEAR DAMPER 5 17 816-2391-00 FLAT CABLE 1 57 331-2744-00 STOPPER 5 18 303-0473-00 UPPER-CVR 1 58 750-3341-10 SPRING 5 19 335-602-00 CN-CVR 1 59 335-5847-00 HOOK 5 20 060-0057-57 AUTO-FUSE(15A) 1 60 346-0114-10 LEATHER SHEET 5 21 074-1115-00 USIDE-CVR 1 61 329-767-10 LABEL 61 305-0277-00 SIDE-CVR 1 62 335-5849-00 CN-CVR 63 3370-9775-00 INNER-ES 1 320-0777-00 SIDE-CVR 1 66 074-1145-01 OUTLET SOCKET 1 68 074-1194-00 OUTLET SOCKET 1 68 074-1194-00 OUTLET SOCKET 1 68 039-1328-01 FPC (WITHOUT COMPONENT) 70 347-5935-10 SPRECISION SCREW 2 74-199-80 CHOKE 1 72 345-825-11 CUSHION 2 74-199-80 CHOKE 1 73 347-5935-10 SPACER 1 74 347-5935-10 SPRECISION SCREW 2 74 347-5935-10 COVER 1 74 347-5935-10 SPACER 1 74 347-5935-10 SPACER 1 74 347-5935-10 SPACER 1 74 347-5935-10 SPACER 1 74 347-5935-10 COVER 1 75 347-5935-				1	46	-	<del> </del>	1
8 345-3799-00 RUBBER PART			TAPTIGHT	10	47	042-0447-00	COIL	1
9 929-0069-82 CD-MECH-MO 1 1 49 341-1704-00 ROLLER 2 1 1 31-2543-00 CD-SUB-BRK 1 50 750-3327-01 SPRING 2 1 31-2545-00 CD-SUB-BRK 1 52 750-3342-00 SPRING 2 1 31-2545-00 CD-SUB-BRK 1 52 750-3342-00 SPRING 2 1 31-2545-00 CD-SUB-BRK 1 53 766-0761-00 WASHER 4 1 53 31-2542-00 CD-SUB-BRK 1 53 766-0761-00 WASHER 4 1 54 613-0686-00 FAN GEAR 5 1 55 613-0685-00 GEAR 5 1 55 613-0685-00 GEAR 5 1 55 613-0685-00 GEAR 5 1 613-0687-00 GEAR DAMPER 5 1 7 816-2391-00 FLAT CABLE 1 1 57 31-274-00 STOPPER 7 1 58 750-3341-10 SPRING 1 1 59 335-6020-00 CN-CVR 1 1 59 335-5847-00 HOOK 1 1 60 346-0114-10 LEATHER SHEET 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	+		4	48	335-5848-00	SPRING HOLDER	2
11   331-2543-00   CD-SUB-BRK   1   51   738-1722-17   PRECISION SCREW   4   12   331-2545-00   CD-SUB-BRK   1   52   750-3342-00   SPRING   4   14   331-2542-00   CD-SUB-BRK   1   53   746-0761-00   WASHER   4   15   347-5916-11   INSULATOR   1   55   613-0685-00   FANGEAR   56   613-0685-00   GEAR   6   613-0687-00   GEAR DAMPER   7   816-2391-00   FLAT CABLE   1   57   331-2744-00   STOPPER   7   18   335-6020-00   CN-CVR   1   59   335-5847-00   HONDOK   63   370-5775-00   INDER-ES   1   60   346-0114-10   LEATHER SHEET   7   60   346-0114-10   LEATHER SHEET   7   61   290-7676-10   LABEL   7   61   290-7676-10   LABEL   7   62   335-5845-00   ILUMIPLATE   1   65   335-5845-00   ILUMIPLATE   1   65   335-5845-00   ILUMIPLATE   1   65   335-5845-00   ILUMIPLATE   1   65   335-5845-00   ILUMIPLATE   1   67   781-1735-00   PRECISION SCREW   2   2   2   2   2   2   2   2   2	9	929-0069-82	CD-MECH-MO	1	49	341-1704-00	ROLLER	2
12 331-2545-00 CD-SUB-BRK 1 1 52 750-3342-00 SPRING 1 3 31-2544-00 CD-SUB-BRK 1 1 53 746-0761-10 WASHER 1 1 54 613-0686-00 FANGEAR 1 1 55 613-0686-00 FANGEAR 1 1 55 613-0686-00 FANGEAR 1 1 55 613-0686-00 GEAR DAMPER 1 1 55 613-0687-00 GEAR DAMPER 1 1 55 613-0687-00 GEAR DAMPER 1 1 55 613-0687-00 GEAR DAMPER 1 1 1 55 613-0687-00 GEAR DAMPER 1 1 1 55 613-0687-00 GEAR DAMPER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10	347-5993-00	INSULATOR	1	50	750-3327-01	SPRING	2
13   331-2544-00   CD-SUB-BRK   1   53   746-0761-00   WASHER   4   14   331-2542-00   CD-SUB-BRK   1   54   613-0686-00   FAN GEAR   5   613-0685-00   GEAR   5   613-0685-00   GEAR   5   613-0687-00   GEAR   5   7   7   7   7   7   7   7   7   7	11	331-2543-00	CD-SUB-BRK	1	51	738-1722-17	PRECISION SCREW	4
14 331-2542-00 CD-SUB-BRK 1 1 54 613-0686-00 FANGEAR 1 1 5 347-5916-11 INSULATOR 1 1 5 613-0685-00 GEAR 1 1 5 347-5916-11 INSULATOR 1 1 5 613-0685-00 GEAR 1 1 6 716-0717-10 STEEL SCREW 8 56 613-0687-00 GEAR DAMPER 1 1 8 16-2391-00 FLAT CABLE 1 1 57 331-2744-00 STOPPER 1 1 8 303-0473-00 UPPER-CVR 1 1 58 750-3341-10 SPRING 1 1 9 335-602-00 CN-CVR 1 1 60 346-0114-10 LEATHER SHEET 1 1 60 346-0114-10 LEATHER SHEET 1 1 61 290-7676-10 LABEL 1 1 62 335-5847-00 HOOK 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	331-2545-00	CD-SUB-BRK	1	52	750-3342-00	SPRING	1
15 347-5916-11 INSULATOR 1 1 55 613-0685-00 GEAR 1 1 6 716-0717-10 STEEL SCREW 8 5 6 613-0687-00 GEAR DAMPER 1 7 816-2391-00 FLAT CABLE 1 1 57 331-2744-00 STOPPER 1 1 83-303-0473-00 UPPER-CVR 1 1 58 750-3341-10 SPRING 1 9 335-6020-00 CN-CVR 1 1 59 335-5847-00 HOOK 1 20 060-0057-57 AUTO-FUSE(15A) 1 1 60 346-0114-10 LEATHER SHEET 1 1 61 290-7676-10 LABEL 1 1 62 335-5847-00 HOOK 1 1 62 335-5849-00 CN-CVR 1 1 62 335-5849-00 CN-CVR 1 1 62 335-5849-00 CN-CVR 1 1 63 335-5849-00 CN-CVR 1 1 64 347-5923-10 DOUBLE FACE 1 1 65 335-5849-00 INNER-ES 1 1 65 335-5849-00 INNER-ES 1 1 65 335-5849-00 INMER-ES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13	331-2544-00	CD-SUB-BRK	1	53	746-0761-00	WASHER	4
16         716-0717-10         STEEL SCREW         8         56         613-0687-00         GEAR DAMPER         1           17         816-2391-00         FLAT CABLE         1         57         331-2744-00         STOPPER           18         303-0473-00         UPPER-CVR         1         58         750-3341-10         SPRING           19         335-6020-00         CN-CVR         1         59         335-5847-00         HOOK           20         060-0057-57         AUTO-FUSE(15A)         1         60         346-0114-10         LEATHER SHEET         7           21         074-1115-00         OUTLET SOCKET         1         61         290-7676-10         LABEL         1           22         039-0887-00         ISO PWB         1         62         335-5849-00         CN-CVR         62         335-5849-00         INDER-ES         1           23         305-0276-00         SIDE-CVR         1         64         347-5923-10         DOUBLE FACE         1           24         305-0277-00         SIDE-CVR         1         65         335-5845-00         ILLUMIPLATE         1           25         307-0617-00         REAR-CVR         1         66         074-1145-01<	14	331-2542-00	CD-SUB-BRK	1	54	613-0686-00	FAN GEAR	1
17         816-2391-00         FLAT CABLE         1         57         331-2744-00         STOPPER           18         303-0473-00         UPPER-CVR         1         58         750-3341-10         SPRING           19         335-6020-00         CN-CVR         1         59         335-5847-00         HOOK           20         060-0057-57         AUTO-FUSE(15A)         1         60         346-0114-10         LEATHER SHEET           21         074-1115-00         OUTLET SOCKET         1         61         290-7676-10         LABEL           22         039-0887-00         ISO PWB         1         62         335-5849-00         CN-CVR           23         305-0276-00         SIDE-CVR         1         64         347-5923-10         DOUBLE FACE         1           24         305-0277-00         SIDE-CVR         1         65         335-5849-00         ILLUMIPLATE         1           25         307-0617-00         REAR-CVR         1         66         074-1145-01         OUTLET SOCKET         1           26         855-5427-80         RCA-PIN-CORD         1         67         781-1735-00         PRECISION SCREW         2           27         880-2080C	15	347-5916-11	INSULATOR	1	55	613-0685-00	GEAR	1
18         303-0473-00         UPPER-CVR         1         58         750-3341-10         SPRING           19         335-6020-00         CN-CVR         1         59         335-5847-00         HOOK           20         060-0057-57         AUTO-FUSE(15A)         1         60         346-0114-10         LEATHER SHEET           21         074-1115-00         OUTLET SOCKET         1         61         290-7676-10         LABEL           22         039-0887-00         ISO PWB (WITHOUT COMPONENT)         1         62         335-5849-00         CN-CVR         63           24         305-0276-00         SIDE-CVR         1         64         347-5923-10         DOUBLE FACE         1           25         307-0617-00         REAR-CVR         1         65         335-5845-00         ILLUMIPLATE         1           26         855-5427-80         RCA-PIN-CORD         1         67         781-735-00         PRECISION SCREW         2           27         880-2080C         TUNER         1         68         039-1306-00         DCP-PWB         (WITHOUT COMPONENT)           29         074-0986-26         OUTLET SOCKET         1         69         039-1328-01         FPC         1 <td>16</td> <td>716-0717-10</td> <td>STEEL SCREW</td> <td>8</td> <td>56</td> <td>613-0687-00</td> <td>GEAR DAMPER</td> <td>1</td>	16	716-0717-10	STEEL SCREW	8	56	613-0687-00	GEAR DAMPER	1
19 335-6020-00 CN-CVR 1 59 335-5847-00 HOOK 20 060-0057-57 AUTO-FUSE(15A) 1 60 346-0114-10 LEATHER SHEET 21 074-1115-00 OUTLET SOCKET 1 61 290-7676-10 LABEL 22 039-0887-00 ISO PWB (WITHOUT COMPONENT) 63 370-5775-00 INNER-ES 1 62 335-5849-00 CN-CVR 63 370-5775-00 INNER-ES 1 64 347-5923-10 DOUBLE FACE 1 65 335-5845-00 ILLUMIPLATE 1 66 074-1145-01 OUTLET SOCKET 1 66 074-1145-01 OUTLET SOCKET 1 67 781-1735-00 PRECISION SCREW 2 074-1194-00 OUTLET SOCKET 1 68 039-1306-00 DCP-PWB (WITHOUT COMPONENT) 1 69 039-1328-01 FPC (WITHOUT COMPONENT) 1 70 347-5935-10 SPACER 1 32 102-3420-00 TRANSISTOR 2 1 1 347-5919-10 SURGE PROTECT 1 36 313-1746-00 HEAT SINK 1 72 345-8265-11 CUSHION 2 34 331-2549-00 SHIELD CASE 1 74 347-5941-10 HEAT-PROTECT 1 75 946-0073-00 HOLDER-ASSY 1 78 347-6010-10 SPACER 1 79 347-6037-10 SPACER 1 79 347-6007-10 SPACER 1 79 347-60	17	816-2391-00	FLAT CABLE	1	57	331-2744-00	STOPPER	1
20         060-0057-57         AUTO-FUSE(15A)         1         60         346-0114-10         LEATHER SHEET         2           21         074-1115-00         OUTLET SOCKET         1         61         290-7676-10         LABEL         2           22         039-0887-00         ISO PWB (WITHOUT COMPONENT)         1         62         335-5849-00         CN-CVR         63         370-5775-00         INNER-ES         63         370-5775-00         INNER-ES         64         347-5923-10         DOUBLE FACE         64         347-5923-10         DOUBLE FACE         64         347-5923-10         DOUBLE FACE         65         335-5845-00         ILLUMIPLATE         66         074-1145-01         OUTLET SOCKET         1         66         074-1145-01         OUTLET SOCKET         1         67         781-1735-00         PRECISION SCREW         2           27         880-2080C         TUNER         1         68         039-1306-00         DCP-PWB         1           28         074-1194-00         OUTLET SOCKET         1         69         039-1328-01         FPC         MITHOUT COMPONENT)           31         313-1747-00         HEAT SINK         1         70         347-5935-10         SPACER         1 <td< td=""><td>18</td><td>303-0473-00</td><td>UPPER-CVR</td><td>1</td><td>58</td><td>750-3341-10</td><td>SPRING</td><td>1</td></td<>	18	303-0473-00	UPPER-CVR	1	58	750-3341-10	SPRING	1
21         074-1115-00         OUTLET SOCKET         1         61         290-7676-10         LABEL         2           22         039-0887-00         ISO PWB (WITHOUT COMPONENT)         1         62         335-5849-00         CN-CVR         3           23         305-0276-00         SIDE-CVR         1         64         347-5923-10         DOUBLE FACE         1           24         305-0277-00         SIDE-CVR         1         65         335-5845-00         ILLUMIPLATE         1           25         307-0617-00         REAR-CVR         1         66         074-1145-01         OUTLET SOCKET         1           26         855-5427-80         RCA-PIN-CORD         1         67         781-1735-00         PRECISION SCREW         2           27         880-2880C         TUNER         1         68         039-1306-00         DCP-PWB         1           28         074-1194-00         OUTLET SOCKET         1         69         039-1328-01         FPC         1           30         092-9000-41         ANT-RECEPT         1         70         347-5935-10         SPACER         1           31         313-1747-00         HEAT SINK         1         70         347-5935-1	19	335-6020-00	CN-CVR	1	59	335-5847-00	HOOK	1
22   039-0887-00   ISO PWB (WITHOUT COMPONENT)   62   335-5849-00   CN-CVR   63   370-5775-00   INNER-ES   14   15   15   15   15   15   15   15	20	060-0057-57	AUTO-FUSE(15A)	1	60	346-0114-10	LEATHER SHEET	1
(WITHOUT COMPONENT)         63         370-5775-00         INNER-ES         1           23         305-0276-00         SIDE-CVR         1         64         347-5923-10         DOUBLE FACE         1           24         305-0277-00         SIDE-CVR         1         65         335-5845-00         ILLUMIPLATE         1           25         307-0617-00         REAR-CVR         1         66         074-1145-01         OUTLET SOCKET         1           26         855-5427-80         RCA-PIN-CORD         1         67         781-1735-00         PRECISION SCREW         2           27         880-2080C         TUNER         1         68         039-1306-00         PRECISION SCREW         2           28         074-1194-00         OUTLET SOCKET         1         69         039-1328-01         FPC         (WITHOUT COMPONENT)           31         313-1747-00         HEAT SINK         1         70         347-5935-10         SPACER         1           32         102-3420-00         TRANSISTOR         2         71         347-5935-10         SURGE PROTECT         1           33         009-9006-80         CHOKE         1         72         345-8265-11         CUSHION         2 <td>21</td> <td>074-1115-00</td> <td>OUTLET SOCKET</td> <td>1</td> <td>61</td> <td>290-7676-10</td> <td>LABEL</td> <td>1</td>	21	074-1115-00	OUTLET SOCKET	1	61	290-7676-10	LABEL	1
23 305-0276-00 SIDE-CVR 1 64 347-5923-10 DOUBLE FACE 1 24 305-0277-00 SIDE-CVR 1 65 335-5845-00 ILLUMIPLATE 1 25 307-0617-00 REAR-CVR 1 66 074-1145-01 OUTLET SOCKET 1 67 781-1735-00 PRECISION SCREW 2 7880-2080C TUNER 1 68 039-1306-00 DCP-PWB (WITHOUT COMPONENT) 1 69 039-1328-01 FPC (WITHOUT COMPONENT) 1 70 347-5935-10 SPACER 1 32 102-3420-00 TRANSISTOR 2 1 347-5919-10 SURGE PROTECT 1 33 009-9006-80 CHOKE 1 72 345-8265-11 CUSHION 2 347-5935-10 DOUBLE FACE 1 73 347-5941-10 HEAT-PROTECT 1 74 347-5941-10 HEAT-PROTECT 1 75 946-0074-01 ARM-L-ASSY 1 76 946-0073-00 HOLDER-ASSY 1 79 347-6037-10 SPACER 1 1 79 347-6037-10 SPACER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22	039-0887-00	ISO PWB	1	62	335-5849-00	CN-CVR	1
24         305-0277-00         SIDE-CVR         1         65         335-5845-00         ILLUMIPLATE         1           25         307-0617-00         REAR-CVR         1         66         074-1145-01         OUTLET SOCKET         1           26         855-5427-80         RCA-PIN-CORD         1         67         781-1735-00         PRECISION SCREW         2           27         880-2080C         TUNER         1         68         039-1306-00         DCP-PWB         1           28         074-1194-00         OUTLET SOCKET         1         69         039-1328-01         FPC         1           30         092-9000-41         ANT-RECEPT         1         69         039-1328-01         FPC         1           31         313-1747-00         HEAT SINK         1         70         347-5935-10         SPACER         1           32         102-3420-00         TRANSISTOR         2         71         347-5919-10         SURGE PROTECT         1           33         009-9006-80         CHOKE         1         72         345-8265-11         CUSHION         2           34         331-2549-00         SHIELD CASE         1         73         347-5920-10         CO			(WITHOUT COMPONENT)		63	370-5775-00	INNER-ES	1
25 307-0617-00 REAR-CVR 1 66 074-1145-01 OUTLET SOCKET 1 26 855-5427-80 RCA-PIN-CORD 1 67 781-1735-00 PRECISION SCREW 2 880-2080C TUNER 1 68 039-1306-00 DCP-PWB (WITHOUT COMPONENT) 1 29 074-0986-26 OUTLET SOCKET 1 69 039-1328-01 FPC (WITHOUT COMPONENT) 1 31 313-1747-00 HEAT SINK 1 70 347-5935-10 SPACER 1 32 102-3420-00 TRANSISTOR 2 71 347-5919-10 SURGE PROTECT 1 33 009-9006-80 CHOKE 1 72 345-8265-11 CUSHION 2 34 331-2549-00 SHIELD CASE 1 73 347-5920-10 COVER FILM 1 75 946-0074-01 ARM-L-ASSY 1 36 313-1746-00 HEAT SINK 1 75 946-0074-01 ARM-L-ASSY 1 76 946-0075-01 ARM-R-ASSY 1 77 946-0073-00 HOLDER-ASSY 1 78 347-6010-10 SPACER 1 79 347-6037-10 SPACER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23	305-0276-00	SIDE-CVR	1	64	347-5923-10	DOUBLE FACE	1
26       855-5427-80       RCA-PIN-CORD       1         27       880-2080C       TUNER       1         28       074-1194-00       OUTLET SOCKET       1         29       074-0986-26       OUTLET SOCKET       1         30       092-9000-41       ANT-RECEPT       1         31       313-1747-00       HEAT SINK       1         32       102-3420-00       TRANSISTOR       2         33       009-9006-80       CHOKE       1         34       331-2549-00       SHIELD CASE       1         35       001-7011-92       DIODE       1         36       313-1746-00       HEAT SINK       1         37       331-2547-00       IC HOLDER       1         38       051-2029-00       IC       1         39       074-1198-68       OUTLET SOCKET       1         40       039-1392-00       MAIN PWB       1         1       68       039-1306-00       DCP-PWB (WITHOUT COMPONENT)         69       039-1328-01       FPC       1         (WITHOUT COMPONENT)       1       70         347-5935-10       SPACER       1         72       345-8265-11<	24	305-0277-00	SIDE-CVR	1	65	335-5845-00	ILLUMIPLATE	1
27       880-2080C       TUNER       1         28       074-1194-00       OUTLET SOCKET       1         29       074-0986-26       OUTLET SOCKET       1         30       092-9000-41       ANT-RECEPT       1         31       313-1747-00       HEAT SINK       1         32       102-3420-00       TRANSISTOR       2         33       009-9006-80       CHOKE       1         34       331-2549-00       SHIELD CASE       1         35       001-7011-92       DIODE       1         36       313-1746-00       HEAT SINK       1         37       331-2547-00       IC HOLDER       1         38       051-2029-00       IC       1         38       051-2029-00       IC       1         39       074-1198-68       OUTLET SOCKET       1         40       039-1392-00       MAIN PWB       1	25	307-0617-00	REAR-CVR	1	66	074-1145-01	OUTLET SOCKET	1
28         074-1194-00         OUTLET SOCKET         1         (WITHOUT COMPONENT)           29         074-0986-26         OUTLET SOCKET         1         69         039-1328-01         FPC         1           30         092-9000-41         ANT-RECEPT         1         (WITHOUT COMPONENT)         1           31         313-1747-00         HEAT SINK         1         70         347-5935-10         SPACER         1           32         102-3420-00         TRANSISTOR         2         71         347-5919-10         SURGE PROTECT         1           33         009-9006-80         CHOKE         1         72         345-8265-11         CUSHION         2           34         331-2549-00         SHIELD CASE         1         73         347-5920-10         COVER FILM         1           35         001-7011-92         DIODE         1         74         347-5941-10         HEAT-PROTECT         1           36         313-1746-00         HEAT SINK         1         75         946-0074-01         ARM-L-ASSY         1           37         331-2547-00         IC HOLDER         1         76         946-0075-01         ARM-R-ASSY         1           39         074-119	26	855-5427-80	RCA-PIN-CORD	1	67	781-1735-00	PRECISION SCREW	2
29       074-0986-26       OUTLET SOCKET       1         30       092-9000-41       ANT-RECEPT       1         31       313-1747-00       HEAT SINK       1         32       102-3420-00       TRANSISTOR       2         33       009-9006-80       CHOKE       1         34       331-2549-00       SHIELD CASE       1         35       001-7011-92       DIODE       1         36       313-1746-00       HEAT SINK       1         37       331-2547-00       IC HOLDER       1         38       051-2029-00       IC       1         39       074-1198-68       OUTLET SOCKET       1         40       039-1392-00       MAIN PWB       1	27	880-2080C	TUNER	1	68	039-1306-00	· · · · -	1
30   092-9000-41   ANT-RECEPT   1		074-1194-00	OUTLET SOCKET	1		<u> </u>	(WITHOUT COMPONENT)	
31       313-1747-00       HEAT SINK       1       70       347-5935-10       SPACER       1         32       102-3420-00       TRANSISTOR       2       71       347-5919-10       SURGE PROTECT       1         33       009-9006-80       CHOKE       1       72       345-8265-11       CUSHION       2         34       331-2549-00       SHIELD CASE       1       73       347-5920-10       COVER FILM       1         35       001-7011-92       DIODE       1       74       347-5941-10       HEAT-PROTECT       1         36       313-1746-00       HEAT SINK       1       75       946-0074-01       ARM-L-ASSY       1         37       331-2547-00       IC HOLDER       1       76       946-0075-01       ARM-R-ASSY       1         38       051-2029-00       IC       1       77       946-0073-00       HOLDER-ASSY       1         39       074-1198-68       OUTLET SOCKET       1       79       347-6037-10       SPACER FILM       1         40       039-1392-00       MAIN PWB       1       79       347-6037-10       SPACER FILM       1		074-0986-26	OUTLET SOCKET	1	69	039-1328-01		1
32       102-3420-00       TRANSISTOR       2       71       347-5919-10       SURGE PROTECT       1         33       009-9006-80       CHOKE       1       72       345-8265-11       CUSHION       2         34       331-2549-00       SHIELD CASE       1       73       347-5920-10       COVER FILM       1         35       001-7011-92       DIODE       1       74       347-5941-10       HEAT-PROTECT       1         36       313-1746-00       HEAT SINK       1       75       946-0074-01       ARM-L-ASSY       1         37       331-2547-00       IC HOLDER       1       76       946-0075-01       ARM-R-ASSY       1         38       051-2029-00       IC       1       77       946-0073-00       HOLDER-ASSY       1         39       074-1198-68       OUTLET SOCKET       1       78       347-6010-10       SPACER       1         40       039-1392-00       MAIN PWB       1       79       347-6037-10       SPACER FILM       1	30	092-9000-41	ANT-RECEPT	1			<u>'</u>	
33       009-9006-80       CHOKE       1       72       345-8265-11       CUSHION       2         34       331-2549-00       SHIELD CASE       1       73       347-5920-10       COVER FILM       1         35       001-7011-92       DIODE       1       74       347-5941-10       HEAT-PROTECT       1         36       313-1746-00       HEAT SINK       1       75       946-0074-01       ARM-L-ASSY       1         37       331-2547-00       IC HOLDER       1       76       946-0075-01       ARM-R-ASSY       1         38       051-2029-00       IC       1       77       946-0073-00       HOLDER-ASSY       1         39       074-1198-68       OUTLET SOCKET       1       78       347-6010-10       SPACER       1         40       039-1392-00       MAIN PWB       1       79       347-6037-10       SPACER FILM       1	<u> </u>						<u> </u>	1
34       331-2549-00       SHIELD CASE       1       73       347-5920-10       COVER FILM       1         35       001-7011-92       DIODE       1       74       347-5941-10       HEAT-PROTECT       1         36       313-1746-00       HEAT SINK       1       75       946-0074-01       ARM-L-ASSY       1         37       331-2547-00       IC HOLDER       1       76       946-0075-01       ARM-R-ASSY       1         38       051-2029-00       IC       1       77       946-0073-00       HOLDER-ASSY       1         39       074-1198-68       OUTLET SOCKET       1       78       347-6010-10       SPACER       1         40       039-1392-00       MAIN PWB       1       79       347-6037-10       SPACER FILM       1		<del></del>	TRANSISTOR	<del> </del>	i	<b>+</b>		1
35       001-7011-92       DIODE       1       74       347-5941-10       HEAT-PROTECT       1         36       313-1746-00       HEAT SINK       1       75       946-0074-01       ARM-L-ASSY       1         37       331-2547-00       IC HOLDER       1       76       946-0075-01       ARM-R-ASSY       1         38       051-2029-00       IC       1       77       946-0073-00       HOLDER-ASSY       1         39       074-1198-68       OUTLET SOCKET       1       78       347-6010-10       SPACER       1         40       039-1392-00       MAIN PWB       1       79       347-6037-10       SPACER FILM       1			<u> </u>	1	i	<del></del>		2
36     313-1746-00     HEAT SINK     1     75     946-0074-01     ARM-L-ASSY     1       37     331-2547-00     IC HOLDER     1     76     946-0075-01     ARM-R-ASSY     1       38     051-2029-00     IC     1     77     946-0073-00     HOLDER-ASSY     1       39     074-1198-68     OUTLET SOCKET     1     78     347-6010-10     SPACER     1       40     039-1392-00     MAIN PWB     1     79     347-6037-10     SPACER FILM     1		<del></del>		1	<u> </u>	<del></del>		1
37     331-2547-00     IC HOLDER     1     76     946-0075-01     ARM-R-ASSY     1       38     051-2029-00     IC     1     77     946-0073-00     HOLDER-ASSY     1       39     074-1198-68     OUTLET SOCKET     1     78     347-6010-10     SPACER     1       40     039-1392-00     MAIN PWB     1     79     347-6037-10     SPACER FILM     1		001-7011-92		1	l	<del></del>		1
38     051-2029-00     IC     1     77     946-0073-00     HOLDER-ASSY     1       39     074-1198-68     OUTLET SOCKET     1     78     347-6010-10     SPACER     1       40     039-1392-00     MAIN PWB     1     79     347-6037-10     SPACER FILM     1		313-1746-00		1				1
39         074-1198-68         OUTLET SOCKET         1         78         347-6010-10         SPACER         1           40         039-1392-00         MAIN PWB         1         79         347-6037-10         SPACER FILM         1		+	<del></del>	1				1
40 039-1392-00 MAIN PWB 1 79 347-6037-10 SPACER FILM 1		<del></del>						1
			· · · · · · · · · · · · · · · · · · ·		l <b></b>	+		1
	40	039-1392-00		1	79	347-6037-10	SPACERFILM	1
41 291-0083-00 STICKER 1	41	291-0083-00	STICKER	1				



### ■ ELECTRICAL PARTS LIST:

Main PWB (B2) section

REF No	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 201	051-3250-00	LG6GCZ	Q 603	102-2712-00	2SC2712		010-2230-26	22 μ H
IC 202	051-5416-08		Q 801	125-2031-02	MNU2211T1	L 701	009-9006-80	CHOKE
IC 301	051-6201-00	LC72146M	Q 901	103-1802-60	2SD1802FA	L 801	010-2230-35	120 µ H
IC 401	051-3015-00	į	Q 902	125-0024-02	MNU2111T1	L 901	010-2230-26	22 μ H
IC 402	051-3015-00	NJM4580M	Q 903	125-2031-02	MNU2211T1	X 301	061-1066-00	7.2 MHz
IC 403	051-7248-08	74H1G68S	Q 904	102-3420-00	2SC3420	X 601	060-1505-50	4.5MHz
IC 404	051-0350-03	NJM4558M	Q 905	101-1240-00	2SB1240	X 602	061-3506-90	32.768KHz
IC 405	051-7248-08	74H1G68S	Q 906	125-2004-06	RN1406	X 801	061-3013-00	4.332 MHz
IC 501	051-5015-00	TEA6320	D 201	001-7011-02	CL-150YG-CD-T	C 101	176-1801-00	50V 18PF
IC 502	051-0350-03	And the second second	D 202	001-0466-00	S5688B	C 102	176-4701-00	50V 47PF
IC 503	051-3015-00	NJM4580M	D 203	001-0466-00	S5688B	C 103	178-1032-78	25V 0.01 μ F
IC 504	051-3015-00	NJM4580M	D 204	001-0516-00	MA111	C 104	178-1032-78	25V 0.01 μ F
IC 505	051-0350-03	NJM4558M	D 205	001-0466-00	S5688B	C 105	183-1073-22	10V 100 μ F
IC 601	051-6600-08	CA0008AM	D 206	001-0516-00	MA111	C 107	178-1032-78	25V 0.01 μ F
IC 602	052-3907-00	M30620MB	D 207	001-0466-00	S5688B	C 108	178-1032-78	25V 0.01 μ F
IC 603	051-5415-08	MC3346N-27ATR	D 209	001-0516-00	MA111	C 109	178-1022-78	50V 1000PF
IC 701	051-2029-00	TDA7384	D 210	001-0516-00	MA111	C 110	176-1011-00	50V 100PF
IC 801	051-0350-03	NJM4558M	D 211	001-0377-11	MA4030M	C 111	163-1053-60	50V 1 μ F
IC 802	051-1819-00	TDA7479D	D 401	001-0516-00	MA111	C 112	178-1522-78	50V 1500PF
Q 101	103-1306-00	2SD1306	D 402	001-0516-00	MA111	C 113	178-4732-78	25V 0.047 μ F
Q 102	125-0024-03	MNU2112T1	D 403	001-0516-00	MA111	C 115	183-1073-22	10V 100 μ F
Q 103	100-1162-00	2SA1162	D 404	001-0516-00	MA111	C 116	178-1022-78	50V 1000PF
Q 104	100-1162-00	2SA1162	D 405	001-0528-44	MA8082M	C 131	178-1032-78	25V 0.01 μ F
Q 201	102-2712-00	2SC2712	D 501	001-0516-00	MA111	C 132	178-1032-78	25V 0.01 μ F
Q 202	100-1162-00	2SA1162	D 502	001-0516-00	MA111	C 199	178-1022-78	50V 1000PF
Q 203	125-2031-03	MNU2212T1	D 503	001-0503-46	HZ9B2L	C 201	178-1032-78	25V 0.01 μ F
Q 204	101-1143-00	2SB1143	D 601	001-0377-66	MA4160M	C 202	178-1042-78	25V 0.1 μ F
Q 205	101-1237-00	2SB1237	D 602	001-0659-00	SLP-181B-51	C 203	172-1031-10	50V 0.01 μ F
Q 206	100-1162-00	2SA1162	D 603	001-0516-00	MA111	C 205	172-4731-10	50V 0.047 μ F
Q 207	102-2712-00	2SC2712	D 604	001-0377-66	MA4160M	C 206	178-2232-78	25V 0.022 μ F
Q 208		MNU2212T1	D 609	001-0377-47	MA4091M	C 207	042-0505-81	10V 22 μ F
Q 209	i	1	D 701	001-0466-00	S5688B	C 208	1	
Q 210	1		D 702	001-0466-00	S5688B	C 211	163-1063-30	16V 10 μ F
Q 211	1	i	D 703	001-0466-00	S5688B	C 213	178-1032-78	25V 0.01 μ F
Q 212	1	1	D 704	001-0466-00		C 220	178-2232-78	25V 0.022 μ F
Q 213		l e	D 705	001-0466-00	S5688B	C 221	163-4753-50	35V 4.7 μ F
Q 214	1		D 706	001-0466-00	S5688B	C 231	178-1032-78	25V 0.01 μ F
Q 21	l l		D 707	001-0466-00	S5688B	C 232	178-2232-78	25V 0.022 μ F
Q 216		1	D 708	001-0466-00	1	C 233	176-1011-00	5)V 100PF
Q 30	1		D 709	001-0592-00	RM4Z	C 248	178-1042-78	25V 0.1 μ F
Q 302		1	D 710	001-0466-00	S5688B	C 266	178-1032-78	25V 0.01 μ F
Q 40			D 711	001-0466-00	ì	C 301	178-8222-78	5)V <b>8</b> 200PF
Q 402		ł	D 801	001-0516-00	MA111	C 302	178-1222-78	5)V 1200PF
Q 40:	1	l	D 802	001-0516-00	MA111	C 303	178-1042-78	25V 0.1 μ F
Q 40	l.		D 901	001-0503-32	1	C 304	163-4743-60	5)V 0.47 μ F
Q 40		1	D 902	001-0503-46		C 305	163-2253-60	5)V 2.2 μ F
Q 40	_	<u>_</u>	L 101	010-2230-19	5.6 μ H	C 306	176-1011-00	5)V 100PF
Q 50			L 102	010-2230-19		C 307	176-1011-00	5)V 100PF
Q 50	1	1	L 201	010-2230-19		C 308	176-1011-00	5)V 100PF
Q 50	1		L 203	010-2230-14	i	C 309	176-1011-00	5)V 100PF
Q 60	1	1	L 204	010-2230-10	1 μ H	C 310	183-4763-12	63 <b>V</b> 47 μ F
Q 60	2 125-2031-03	MNU2212T1	L 301	010-2230-35	120 μ H	C 311	176-1201-00	5)V 12PF

R	EF No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION	R	EF No.	PART No.	DESCRIPTION
	312	176-1201-00					50V 5600PF	С		163-1063-30	
c	401	163-2263-30		c		ì	10V 100 μ F	lc		178-1022-78	1
Ic	402	163-1063-30	· ·	c	533	163-1063-30	l '	IR		i	1/10W 33K Ω
Ic	403	163-2263-30		c	534		25V 0.047 μ F	R		117-1021-10	
	404	163-1063-30	·	C	535		25V 0.047 μ F	R		i	1/10W 18KΩ
	405	176-1011-00	· ·	lc	536		25V 0.022 μ F	IR			1/4WSS 330 Ω
c	407	176-1011-00		lc	537		25V 0.022 μ F	R		117-1021-10	
c	408	163-1063-30		Ιc	538	176-1201-00	· I	IR		į.	1/10W 12KΩ
	409	163-1063-30		lc	539	163-1063-30		R			1/10W 8.2KΩ
	410	163-1063-30		lc	540	163-1063-30	1	IR		117-1021-10	· ·
c	411	163-2263-30	l i	C	541	163-1063-30	i i	R			1/10W 220K Ω
С	412	163-1063-30		lc	542	163-1063-30		IR			1/10W 10KΩ
lc		163-2263-30	· ·	lc	543			R			1/10W 10KΩ
C		163-1063-30		lc	544	176-1201-00		R			1/10W 10KΩ
1	415	176-1011-00	•	lc	545	176-1201-00		R			1/10W 4.7KΩ
C		176-1011-00		C	560	176-1011-00	i	IR		ľ	1/10W 10KΩ
C		163-1063-30		lc	601	l	50V 1000PF	R			1/10W 56K Ω
Ιc		163-1063-30	•	C	602	1	50V 1000PF	R			1/10W 10KΩ
C		163-1063-30	B	lc	604		25V 0.01 μ F	R			1/10W 10KΩ
C	430	163-1063-30	·	C	605	163-2263-30	,	R		ì	1/10W 1.5KΩ
C	499	1	25V 0.01 μ F	lc	606	042-0576-00	· · · · · · · · · · · · · · · · · · ·	R		[	1/10W 0ΩJW
c	501	163-2253-60		lc	607	176-1801-00		R		l	1/10W 1.5KΩ
c	502		50V 0.33 μ F	lc	608	176-1801-00	50V 18PF	R		117-8201-10	
C	503	163-2253-60		С	609	178-1042-78	25V 0.1 μF	R			1/4WSS 1.5 Ω
lc	504	178-1822-78		С	610	163-1063-30	16V 10 μ F	R			1/10W 10KΩ
C	505	178-1822-78		c	611	178-1032-78	25V 0.01 μ F	R			1/10W 10KΩ
С	506	1	25V 0.01 μ F	c	701	163-1053-60	50V 1 μ F	R	203	111-1201-91	1/4WSS 12Ω
С	507	1	25V 0.01 μ F	С	702	163-2243-60	50V 0.22 μ F	R	204	117-1221-10	1/10W 1.2KΩ
С	508	163-1063-30		С	703	163-2243-60	50V 0.22 μ F	R	205	117-1221-10	1/10W 1.2KΩ
C		163-1063-30	·	С	704	163-2243-60	50V 0.22 μ F	R	206	117-1031-10	1/10W 10KΩ
C		176-1811-00		С	705	163-2243-60	50V 0.22 μ F	R	207	117-3321-10	1/10W 3.3K Ω
C	511	176-1811-00	50V 180PF	С	706	183-4763-32	16V 47 μ F	R	208	111-1591-91	1/4WSS 1.5 Ω
С	512	178-3322-78	50V 3300PF	С	707	178-4742-78	25V 0.47 μ F	R	210	117-3321-10	1/10W 3.3K Ω
C	513	<b>1</b> 63-1053-60	50V 1 μ F	С	708	163-4753-50	35V 4.7 μ F	R	211	117-2231-10	1/10W 22K Ω
С	514	163-4753-50	35V 4.7 μ F	С	709	042-0447-00	16V 2200 μ F	R	212	111-1221-91	1/4WSS 1.2KΩ
С	515	163-4753-50	35V 4.7 μ F	С	710	172-1041-10	50V 0.1 μ F	R	213	117-1031-10	1/10W 10KΩ
C	516	163-4753-50	35V 4.7 μ F	С	801	178-2232-78	25V 0.022 μ F	R	214	111-1521-91	1/4WSS 1.5KΩ
С	517	<b>1</b> 63-4753-50	35V 4.7 μ F	С	802	176-5611-00	50V 560PF	R	215	117-1031-10	1/10W 10K Ω
С	518	163-4753-50	35V 4.7 μ F	C	803	176-5611-00	50V 560PF	R	216	117-3321-10	1/10W 3.3K Ω
C	519	163-4753-50	35V 4.7 μF	C	804	178-2232-78	25V 0.022 μ F	R	217	117-1031-10	1/10W 10K Ω
С	520	<b>1</b> 63-1053-60	50V 1 μ F	C	805	178-1032-78	25V 0.01 μ F	R	218	117-3321-10	1/10W 3.3K Ω
С	521	<b>178</b> -3322-78	50V3300PF	C	806	163-2253-60	50V 2.2 μ F	R	219	117-4731-10	1/10W 47KΩ
С	522	183-4763-32	16V 47 μF			176-3311-00		R	220	117-4721-10	1/10W 15K Ω
C	523	<b>1</b> 78-1032-78	25V 0.01 μ F	1		183-4763-12		R	221	117-1031-10	1/10W 10K Ω
		<b>1</b> 83-1073-22		C	809	178-1042-78	25V 0.1 μ F	R	222	117-4731-10	1/10W 470K Ω
C	525	178-1542-78	25V 0.15 μ F	c	810	176-8201-00	50V 82PF	R	223	117-2231-10	1/10W 4.7K Ω
			25V 0.056 μ F	C	811	176-4701-00	50V 47PF	R	224	117-1541-10	1/10W 150KΩ
С	527	<b>17</b> 8-5622-78	50V 5600PF	C	814	176-1001-00	50V 10PF	R	225	111-1831-91	1/4WSS 18KΩ
С	528	<b>1</b> 83-1073-22	10V 100 μ F			1	10V 100 μ F	R	226	117-4321-10	1/10W 4.3KΩ
С	529	<b>17</b> 8-1542-78	25V 0.15 μ F	C	902	163-1063-30	16V 10 μ F	R	227	117-8221-10	1/10W 8.2K Ω
C	530	<b>1</b> 78-5632-78	25V 0.056 μ F	C	903	183-4763-32	16V 47 μ F	R	228	111-1591-91	1/4WSS 1.5 Ω

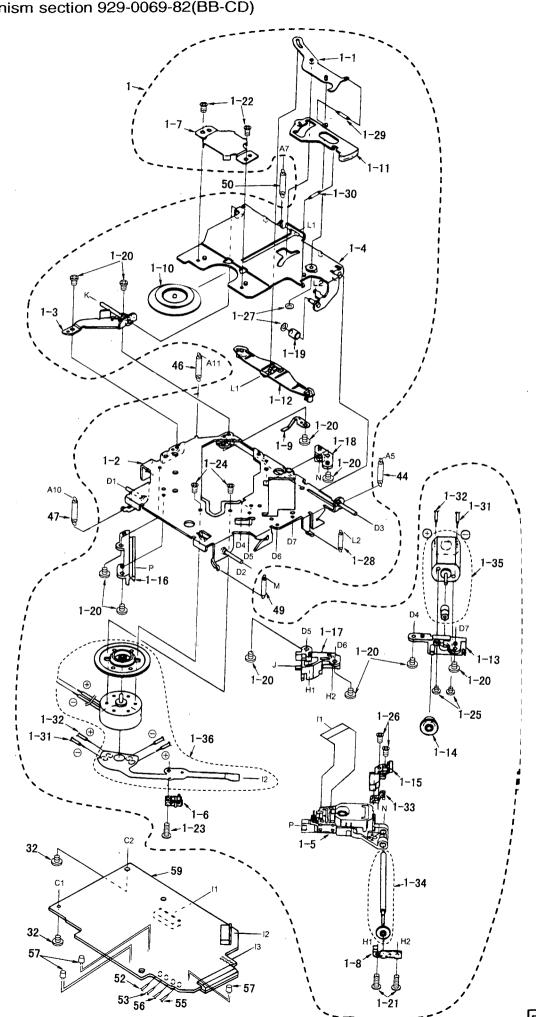
DEE	Νo	PART No.	DESCRIPTION	RF	F No.	PART No.	DESCRIPTION	F	REF No.	PART No.	DESCRIPTION
		111-1591-91	1/4WSS 1.5Ω		-		1/10W 330 Ω	-		117-5131-10	1/10W 51KΩ
R 2		117-4731-10		1		117-1021-10				117-5131-10	1/10W 51KΩ
		111-4701-91	1/4WSS 47 Ω	1			1/10W 4.7KΩ	ı	R 527	117-5131-10	1/10W 51KΩ
		111-1221-91	1/4WSS 1.2KΩ	1			1/10W 47KΩ	-	R 528	117-1531-10	1/10W 15KΩ
1		111-1811-91	1/4WSS 180 Ω	1	423	117-4731-10	1/10W 47KΩ	1	R 529	117-2231-10	1/10W 22KΩ
1		117-2221-10	1/10W 2.2KΩ	1			1/10W 10KΩ	H		111-6801-91	1/4WSS 68 Ω
1		117-1031-10					1/10W 100KΩ	Į,	R 602	111-1011-91	1/4WSS 100Ω
1			1/10W 10KΩ				1/10W 100KΩ	h	R 603	111-1011-91	1/4WSS 100Ω
1		1	1/10W 100KΩ	1_			1/10W 100KΩ	h	R 604	117-3321-10	1/10W 3.3KΩ
		1	1/10W 2.2K Ω	1			1/10W 100KΩ	1	R 605	117-4711-10	1/10W 470Ω
		1	1/10W 4.7KΩ			117-1021-10	1/10W 1KΩ	ŀ	R 606	117-2231-10	1/10W 22K Ω
1		i l	1/10W 100 Ω	R	430	117-1021-10	1/10W 1KΩ	H	R 607	117-3311-10	1/10W 330 Ω
		117-1021-10		R	431	117-1241-10	1/10W 120KΩ	H	R 608	117-1521-10	1/10W 1.5KΩ
		117-1021-10	1	R	432	117-4731-10	1/10W 47KΩ	ļ	R 609	117-1031-10	1/10W 10KΩ
		117-1021-10		R	433	117-4721-10	1/10W 4.7KΩ	ı	R 610	117-4731-10	1/10W 47KΩ
1		117-1021-10	l I	R	434	117-1021-10	1/10W 1KΩ		R 611	117-2231-10	1/10W 22KΩ
	245	117-1041-10	1/10W 100KΩ	R	435	117-4721-10	1/10W 4.7KΩ	I	R 612	117-1031-10	1/10W 10KΩ
1	246	117-1031-10	1/10W 10KΩ	R	437	117-8221-10	1/10W 8.2KΩ	ŀ	R 613	117-5621-10	1/10W 5.6KΩ
l		1	1/10W 10KΩ	R	440	117-2231-10	1/10W 22KΩ	h	R 701	117-4721-10	1/10W 4.7KΩ
R 3	301	117-1231-10	1/10W 12KΩ	R	441	117-1021-10	1/10W 1KΩ	١	R 702	117-4721-10	1/10W 4.7KΩ
R 3	302	111-2711-91	1/4WSS 270 Ω	R	498	117-1031-10	1/10W 10KΩ	١	R 703	117-4721-10	1/10W 4.7KΩ
R 3	303	117-2221-10	1/10W 2.2KΩ	R	499	117-3021-10	1/10W 3KΩ	ŀ	R 704	117-4721-10	1/10W 4.7KΩ
R 3	304	117-1021-10	1/10W 1KΩ	R	501 ·	117-1031-10	1/10W 10KΩ	ŀ	R 801	117-1031-10	1/10W 10KΩ
R 3	305	117-1031-10	1/10W 10KΩ	R	502	117-2031-10	1/10W 20K Ω	1	R 802	117-1231-10	1/10W12KΩ
R 3	306	117-1031-10	1/10W 10KΩ	R	503	117-2031-10	1/10W 20K Ω	ŀ	R 803	117-3321-10	1/10W3.3KΩ
R 3	307	117-1031-10	1/10W 10KΩ	R	504	117-1031-10	1/10W 10KΩ		R 804	117-2231-10	1/10W 22KΩ
R 3	308	117-1021-10	1/10W 1KΩ	R	505	117-4721-10	1/10W 4.7KΩ		R 805	117-1041-10	1/10W 10 <b>O</b> KΩ
R 3	309	117-1021-10	1/10W 1KΩ	R	506	117-4721-10	1/10W 4.7KΩ		R 806	117-2211-10	1/10W 22OΩ
R 3	310	117-1021-10	1/10W 1KΩ	R	507	117-2231-10	1/10W 22K Ω	ľ	R 807	117-2221-10	1/10W 2.2KΩ
R 4	401	117-1821-10	1/10W 1.8KΩ	R	508	117-2231-10	1/10W 22K Ω		R 901	111-2211-91	1/4WS\$ 220Ω
R 4			1/10W 12KΩ	R			1/10W 3K Ω			117-4731-10	1/10W 47KΩ
		117-3021-10		R		i .	1/10W 3KΩ	1		117-1041-10	1/10W 10OKΩ
			1/10W 1.8KΩ	1		1	1/10W 2.7K Ω			117-1041-10	1/10W 10OKΩ
			1/10W 22KΩ	1		1	1/10W 4.7KΩ			117-1041-10	1/10W 10OKΩ
			1/10W 22K Ω	1			1/10W 4.7KΩ			117-0000-00	1/10W 0 Q JW
l.			1/10W 330 Ω	l i			1/10W 15KΩ			111-4711-91	1/4WS\$ 470Ω
i			1/10W 330 Ω			1	1/10W 2.7K Ω			111-4711-91	1/4WS\$ 470Ω
i i		117-1021-10	1 1	1		1	1/10W 100KΩ	Н		111-1221-91	1/4WS\$ 1 .2KΩ
		1	1/10W 1.8KΩ				1/10W 1KΩ			111-1221-91	1/4WS\$ 1 .2KΩ
		1	1/10W 12KΩ			l	1/10W 1KΩ	1		117-1031-10	1/10W10KΩ
1		1	1/10W 1.8KΩ	1		i	1/10W 120KΩ			060-0122-10	DSP-201M-S00B
1		117-3021-10	1				1/10W 3KΩ			074-1198-68	OUTLET SOCKET
		117-3021-10	l l			į.	1/10W 3K Ω	1 1		074-1115-00	OUTLET SOCKET,
		ı	1/10W 22K Ω	_			1/10W 3KΩ	1		074-1194-00	OUTLET SOCKET
		1	1/10W 22K Ω	R		i	1/10W 3KΩ			074-0986-26	OUTLET SOCKET
R	<b>4</b> 18	117-3311-10	1/10W 330 Ω	R	524	117-5131-10	1/10W 51KΩ		S 201	013-6100-00	SKHLL3(FRESET)

### Switch PWB (B1) section

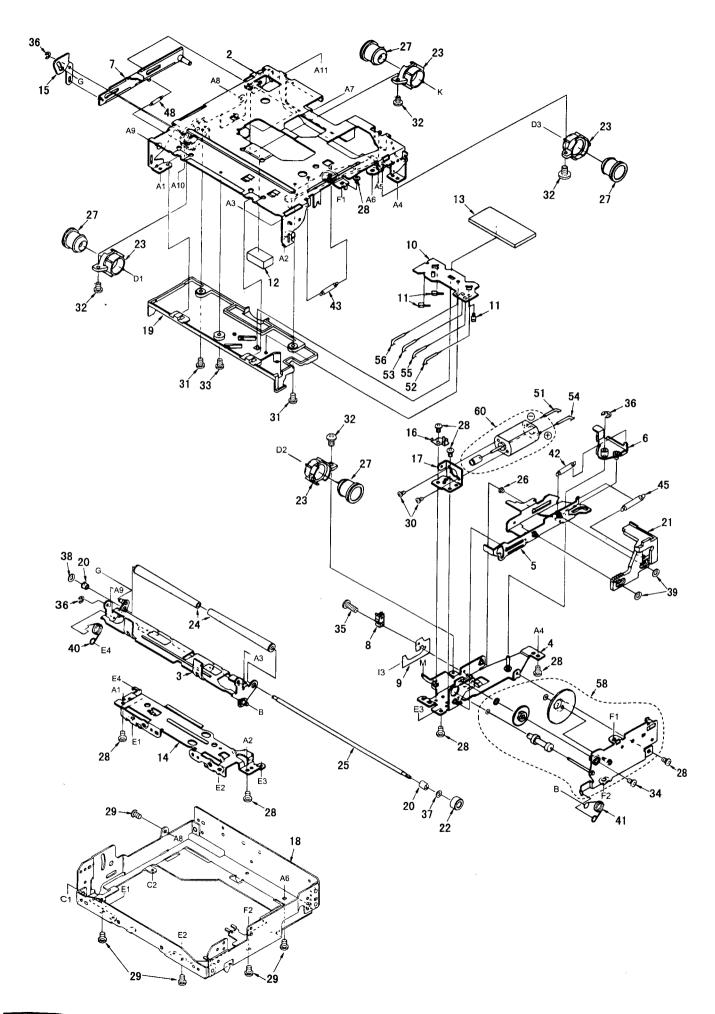
Switch	BAAR (RI)	Section							
REF No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 701	051-6037-00	LC75884W	C	717	042-0416-51	6.3V 10 μ F (TAN)	R 731	117-1821-10	1/10W 1.8KΩ
D 706	001-0584-23	MA8075	R	701	117-1221-10	1/10W 1.2K Ω	CN 701	076-0535-01	PLUG
D 707	001-0584-23	MA8075	R	702	117-1221-10	1/10W 1.2K Ω	PL 701	001-7030-00	NSPB310A
D 708	001-0584-23	MA8075	R	703	117-1221-10	1/10W 1.2K Ω	PL 702	001-7030-00	NSPB310A
D 709	001-0584-23	MA8075	R	704	117-1221-10	1/10W 1.2K Ω	PL 703	001-7030-00	NSPB310A
D 710	001-0584-23	MA8075	R	705	117-1221-10	1/10W 1.2K Ω	S 701	013-6504-50	LS9J2M-1YG
D 711	001-0584-23	MA8075	R	706	117-1221-10	1/10W 1.2K Ω	S 702	013-6504-50	LS9J2M-1YG
D 712	001-0584-23	MA8075	R	707	117-1221-10	1/10W 1.2K Ω	S 703	013-6504-50	LS9J2M-1YG
D 713	001-0584-23	MA8075	R	708	117-1221-10	1/10W 1.2K Ω	S 704	013-6504-50	LS9J2M-1YG
D 714	001-0584-23	MA8075	R	709	117-1221-10	1/10W 1.2K Ω	S 705	013-6504-50	LS9J2M-1YG
D 715	001-0584-23	MA8075	R	710	117-1221-10	1/10W 1.2K Ω	S 706	013-6504-50	LS9J2M-1YG
D 716	001-0516-00	MA111	R	711	117-1221-10	1/10W 1.2K Ω	S 707	013-6504-50	LS9J2M-1YG
D 717	001-0584-23	MA8075	R	712	117-1221-10	1/10W 1.2K Ω	S 708	013-6504-50	LS9J2M-1YG
D 718	001-0584-23	MA8075	R	714	117-3921-10	1/10W 3.9K Ω	S 709	013-6504-50	LS9J2M-1YG
D 719	001-0584-23	MA8075	R	716	117-1821-10	1/10W 1.8K Ω	S 710	013-6504-50	LS9J2M-1YG
D 720	001-0584-23	MA8075	R	717	117-1821-10	1/10W 1.8K Ω	S 711	013-6504-50	LS9J2M-1YG
D 722	001-0584-23	MA8075	R	718	117-4331-10	1/10W 43K Ω	S 712	013-6504-50	LS9J2M-1YG
D 723	001-0584-23	MA8075	R	719	117-1031-10	1/10W 10K Ω	S 713	013-6504-50	LS9J2M-1YG
D 724	001-0584-23	MA8075	R	720	032-0092-80	1/10W 330 Ω 1%	S 714	013-6504-50	LS9J2M-1YG
D 725	001-0584-23	MA8075	R	721	032-0092-80	1/10W 330 Ω 1%	S 715	013-6504-50	LS9J2M-1YG
D 727	001-0516-00	MA111	R	722	032-0092-80	1/10W 330 Ω 1%	S 716	013-6504-50	LS9J2M-1YG
D 730	001-7040-00	NSCB100(BLUE)	R	723	032-0092-80	1/10W 330 Ω 1%	S 717	013-6302-50	SKQMAL
D 731	001-7011-02	CL-150YG-CD-T	1	724	032-0092-80	1/10W 330 Ω 1%	S 718	013-6302-50	SKQMAL
D 732	001-7011-02	CL-150YG-CD-T	1	725	032-0092-80	1/10W 330 Ω 1%	1}	013-6504-50	LS9J2M-1YG
C 706	178-4735-06	25V 0.047 μ F	1	726	117-1011-10	1/10W 100 Ω	S 721	013-6504-50	LS9J2M-1YG
C 707	178-4735-06	25V 0.047 μ F		727	117-1021-10	1/10W 1K Ω	S 722	013-8001-00	JRS0000-1401
C 708	178-4735-06	25V 0.047 μ F	R	728	117-1021-10	1/10W 1K Ω	IR.701	060-4008-00	RS-170
C 709	176-6811-00	50V 680PF	1	729	117-1021-10	1/10W 1K Ω			
C 710	042-0416-51	6.3V 10 μ F(TAN)	R	730	117-1821-10	1/10W 1.8K Ω			

### ■ EXPLODED VIEW:

CD mechanism section 929-0069-82(BB-CD)



-15-



### ■ PARTS LIST:

CD mechanism section 929-0069-82(BB-CD)

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

NO.	DADENO	DESCRIPTION	ОТУ
	PART NO.		1
1	HBS-463-100	DRIVE UNIT	1
1-1	966-0314-01	STOP LINK-ASSY	+
1-2	966-0447-04	DR-PLATE-ASSY	1 1
1-3	966-0448-01	SIDE PLATE-ASSY	1
1-4	966-0449-02	CLAMP-LINK-ASSY	1
1-5	969-0050-02	PICK UP UNIT	1
1-6	013-7100-00	LIMT SWITCH	1
1-7	620-0198-03	CLAMPER PLATE	1
1-8	620-0491-03	SPRING PLATE	1
1-9	620-0690-01	RATTLE PLATE	1
1-10	621-0205-02	CLAMPER RING	1
1-11	621-0251-03	LOCK LINK	1
1-12	621-0252-03	DISC STOPPER	1
1-13	621-0253-01	MOTOR HOLDER	1
1-14	621-0255-02	SECOUND GEAR	1
1-15	621-0375-00	SH-BASE	1
1-16	621-0357-03	PICK UP GUIDE	1
1-17	621-0358-02	LS-HOLDER-F	1
1-18	621-0359-02	LS-HOLDER-R	1
1-19	622-1073-02	CLAMPER ROLLER	1
1-20	714-2003-81	MACHINE SCREW (M2X3)	10
1-21	716-0675-00	SCREW	2
1-22	716-1468-00	SCREW	2
1-23	716-1555-00	WAVE SCREW	1
1-24	716-1733-00	SCREW	2
1-25	732-2004-11	SEMS SCREW	2
1-26	739-1735-17	PRECISION SCREW	2
1-27	746-0761-00	SCREW	2
1-28	750-3097-03	CLAMPER SPRING	1
1-29	750-3098-00	L-LINK SPRING	1
1-30	750-3099-00	ES-SPRING	1
1-31	816-2372-00	LEAD (BLUE)	1
1-32	816-2373-00	LEAD (WHITE)	1
1-33	966-0454-00	SH-RACK-ASSY	1
1-34	HBS-432-100	LS-GEAR-ASSY	1
1-35	SMA-146-100		1
1-35	SMA-151-100		+
		CHASSIS-ASSY	1
3	966-0308-10 966-0309-05	L-DISC-G-ASSY	1
			1
4	966-0310-06	SFT-P-CH-ASSY	1
5	966-0312-06	SHIFT-P-ASSY	
6	966-0358-01	DRIVE-L-PL-ASSY	1
7	966-0359-03	SIDE-L-PL-ASSY	1 1
8	013-3879-01	CHUCKING SWITCH	1
9	039-0586-01	CHUCKING SWITCH PWB (WITHOUT COMPONENT)	1
10	039-0588-01	SENSOR PWB (WITHOUT COMPONENT)	1
11	060-0252-01	PHOTO-TR (PT4850F)	3
12	345-7513-01	CLAMPER SHEET	1

NO. PART NO. DESCRIPTION  13 345-7514-00 S-PWB-SHEET  14 620-0485-04 FRONT PLATE  15 620-0488-01 S-L-LINK PLATE  16 620-0489-01 MOTOR PLATE  17 620-0492-01 MOTOR BRACKET  18 620-0773-01 MECH-BRACKET  19 621-0402-01 U-DISC GUIDE-F  20 621-0243-02 ROLLER SLEEVE  21 621-0248-07 RACK GEAR  22 621-0249-02 ROLLER GEAR  23 621-0250-01 DAMPER HOLDER  24 621-0258-03 LOADING ROLLER  25 622-1072-05 ROLLER SHAFT  26 622-1219-01 SHIFT ROLLER  27 629-0058-00 DAMPER-VA  28 714-2003-81 MACHINE SCREW (M2X3)	QTY 1 1 1 1 1 1 1 2 1 1 4 2 1 1
14 620-0485-04 FRONT PLATE 15 620-0488-01 S-L-LINK PLATE 16 620-0489-01 MOTOR PLATE 17 620-0492-01 MOTOR BRACKET 18 620-0773-01 MECH-BRACKET 19 621-0402-01 U-DISC GUIDE-F 20 621-0243-02 ROLLER SLEEVE 21 621-0248-07 RACK GEAR 22 621-0249-02 ROLLER GEAR 23 621-0250-01 DAMPER HOLDER 24 621-0258-03 LOADING ROLLER 25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	1 1 1 1 2 1 1 4 2
15 620-0488-01 S-L-LINK PLATE  16 620-0489-01 MOTOR PLATE  17 620-0492-01 MOTOR BRACKET  18 620-0773-01 MECH-BRACKET  19 621-0402-01 U-DISC GUIDE-F  20 621-0243-02 ROLLER SLEEVE  21 621-0248-07 RACK GEAR  22 621-0249-02 ROLLER GEAR  23 621-0250-01 DAMPER HOLDER  24 621-0258-03 LOADING ROLLER  25 622-1072-05 ROLLER SHAFT  26 622-1219-01 SHIFT ROLLER  27 629-0058-00 DAMPER-VA  28 714-2003-81 MACHINE SCREW (M2X3)	1 1 1 1 2 1 1 4 2
16 620-0489-01 MOTOR PLATE  17 620-0492-01 MOTOR BRACKET  18 620-0773-01 MECH-BRACKET  19 621-0402-01 U-DISC GUIDE-F  20 621-0243-02 ROLLER SLEEVE  21 621-0248-07 RACK GEAR  22 621-0249-02 ROLLER GEAR  23 621-0250-01 DAMPER HOLDER  24 621-0258-03 LOADING ROLLER  25 622-1072-05 ROLLER SHAFT  26 622-1219-01 SHIFT ROLLER  27 629-0058-00 DAMPER-VA  28 714-2003-81 MACHINE SCREW (M2X3)	1 1 2 1 1 4 2
18 620-0773-01 MECH-BRACKET  19 621-0402-01 U-DISC GUIDE-F  20 621-0243-02 ROLLER SLEEVE  21 621-0248-07 RACK GEAR  22 621-0249-02 ROLLER GEAR  23 621-0250-01 DAMPER HOLDER  24 621-0258-03 LOADING ROLLER  25 622-1072-05 ROLLER SHAFT  26 622-1219-01 SHIFT ROLLER  27 629-0058-00 DAMPER-VA  28 714-2003-81 MACHINE SCREW (M2X3)	1 2 1 1 4 2 1
19 621-0402-01 U-DISC GUIDE-F 20 621-0243-02 ROLLER SLEEVE 21 621-0248-07 RACK GEAR 22 621-0249-02 ROLLER GEAR 23 621-0250-01 DAMPER HOLDER 24 621-0258-03 LOADING ROLLER 25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	1 2 1 1 4 2
20 621-0243-02 ROLLER SLEEVE 21 621-0248-07 RACK GEAR 22 621-0249-02 ROLLER GEAR 23 621-0250-01 DAMPER HOLDER 24 621-0258-03 LOADING ROLLER 25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	2 1 1 4 2
21 621-0248-07 RACK GEAR  22 621-0249-02 ROLLER GEAR  23 621-0250-01 DAMPER HOLDER  24 621-0258-03 LOADING ROLLER  25 622-1072-05 ROLLER SHAFT  26 622-1219-01 SHIFT ROLLER  27 629-0058-00 DAMPER-VA  28 714-2003-81 MACHINE SCREW (M2X3)	1 1 4 2 1
22 621-0249-02 ROLLER GEAR 23 621-0250-01 DAMPER HOLDER 24 621-0258-03 LOADING ROLLER 25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	1 4 2 1
23 621-0250-01 DAMPER HOLDER 24 621-0258-03 LOADING ROLLER 25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	4 2 1
24       621-0258-03       LOADING ROLLER         25       622-1072-05       ROLLER SHAFT         26       622-1219-01       SHIFT ROLLER         27       629-0058-00       DAMPER-VA         28       714-2003-81       MACHINE SCREW (M2X3)	2
25 622-1072-05 ROLLER SHAFT 26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	1
26 622-1219-01 SHIFT ROLLER 27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	
27 629-0058-00 DAMPER-VA 28 714-2003-81 MACHINE SCREW (M2X3)	1
28 714-2003-81 MACHINE SCREW (M2X3)	
	4
00 744 0000 04 144 OLINIE CODELLA (140 OVO)	8
29 714-2603-81 MACHINE SCREW (M2.6X3)	5
30 716-1468-00 SCREW	2
31 716-1507-00 SCREW	2
32 716-1670-00 SCREW	6
33 716-1677-00 SCREW	1
34 716-1704-00 SCREW	1
35 716-1742-00 SCREW	1
36 743-1500-10 E-RING	3
37 746-0712-03 WASHER	1
38 746-0762-00 WASHER	1
39 746-0877-02 WASHER	2
40 750-3090-02 RO-SPRING-L	1
41 750-3091-03 RO-SPRING-R	1
42 750-3092-03 SHIFT SPRING	1
43 750-3094-00 S-ARM SPRING	1
44 750-3096-01 DR-SPRING-R	1
45 750-3098-00 L-LINK SPRING	1
46 750-3164-00 DR-SPRING-LR	1
47 750-3188-00 DR-SPRING-F-B	
48 750-3189-00 SIDE-L-SPRING	1
49 750-3201-00 DR-SPRING-F-R	1
50 750-3202-00 CENTER SPRING-B	1
51 800-4904-60 VINYL-COAT-WIRE (BLK)	1
52 800-4910-60 VINYL-COAT-WIRE (BLK)	1
53 801-4910-60 VINYL-COAT-WIRE (BRN)	1
54 802-4904-60 VINYL-COAT-WIRE (RED)	1
55 802-4910-60 VINYL-COAT-WIRE (RED)	1
56 804-4910-60 VINYL-COAT-WIRE (YEL)	1
57 001-0563-00 DIODE	3
58 HBS-430-100 GEAR-PLATE-ASSY	1
59 039-1088-02 MECHANISM PWB (WITHOUT COMPONENT)	1
60 SMA-147-100 LOADING MOTOR-ASSY	1



■TC9462	051-6342-00 Digital servo for CD
1.Qutward Form: 100	Opins QFP
2.Function : Sy	na.separation,EFM, Error correction
3.Terminal Description pin 1: TESTO	: IN : Not in use.
·	O: Playback mode flag output. Ref. Table  1.
·	O: Playback mode flag output. Ref. Table  1.
•	O: Emphasis flag output of Sub cord Q da ta."H"= emphasis ON.
	: O : Channel clock output. (44.1kHz) : — : Ground
pin 7:B CK	O : Bit clock output.(1.4122MHz)
pin 9:D OUT	: O : Audio data output. : O : Digital output.
pin 10: MBOV	O: Buffer memory over signal output. O: Compensation flag output.
	: O : CRCC judgement output of Sub Q data. "H"=OK.
pin 13 : CLOCK	: I/O : Clock output/input to read Sub cord P to W.
pin 14 : VDD pin 15 : VSS	: — : Positive supply voltage terminal. : — : Ground.
pin 16 : DATA	: O : Sub cord P to W data output.
pin 17 : SF SY pin 18 : SB SY	<ul> <li>O : Frame synchronize signal output.</li> <li>O : Sub cord block synchronize signe out put.</li> </ul>
•	: O : Clock signal output to read processor status (176.4kHz)
	<ul> <li>O : Processor status signal output.</li> <li>O : Correction frame clock output.(7.35kHz)</li> </ul>
pin 22 : MONIT	: O : Not in use.
pin 24 : TESIO0	: — : Positive supply voltage terminal. : IN : Not in use.
•	<ul> <li>: - : (Reference voltage) × 2 terminal for PLL</li> <li>: O : pin26=Vref : × 2-speed or × 4-speed.</li> </ul>
pin 27 : Z DET	: O : 0 flag output of 1 bit DAC.
pin 28 : PDO pin 29 : TMAX S	: O : Error signal output (EFM-PLCK) : O : TMAX detect signal output.
pin 30 : TMAX	: O : TMAX detect signal output.
pin 31 : LPF N pin 32 : LPF O	: IN : Inverted input of amplifier for LPF. : O : Output of amplher for LPF.
pin 33 : PVref	: — : Reference voltage terminal for PLL.
pin 34 : VCOref pin 35 : VCO F	<ul> <li>: — : Reference voltage terminal for VCO.</li> <li>: O : Output of filter for VCO.</li> </ul>
pin 36 : AVSS	: — : Analog ground.
pin 37 : SLCO pin 38 : RF IN	O : Output of DAC for data slice level. IN : RF signal input.
pin 39 : AVDD	: — : Positive voltage supply for analog.
pin 40 : RFCT pin 41 : RFZI	: IN : Center level input of RFRP signal. : IN : RFRP 0 cross.
pin 42 : RFRP	: IN : RF ripple signal input.
pin 43 : FEI pin 44 : SBAD	: IN : Focus error signal input. : IN : Sub beam addition signal input.
pin 45 : TSIN	: IN : Not in use.
pin 46 : TEI pin 47 : TEZI	: IN : Tracking error input. : IN : Tracking error,0 cross input.
pin 48 : FO O	: O : Focusing equalizer output.
pin 49 : TR O pin 50 : Vref	: O : Tracking equalizer output. : — : Reference voltage for analog.
pin 51 : RFGC	: O : RF gain control signal output.
pin 52 : TEBC pin 53 : FM O	<ul><li>: O : Tracking balance control signal output.</li><li>: O : Field equalizer output.</li></ul>
pin 54 : FVO	: O : Field error or Field search EQ output.
pin 55 : DMO pin 56 : 2Vref	<ul><li>: O : Disc equalizer output.</li><li>: — : 2 × Vref for analog.</li></ul>
pin 57 : SEL	: O : Laser ON and UHS="H" : output"H"
pin 58 : FLG A pin 59 : FLG B	: O : Monitor signal output. : O : Monitor signal output.
pin 60 : FLG C	: O : Monitor signal output.
pin 61 : FLG D pin 62 : <b>V</b> DD	: O : Monitor signal output. : — : Positive supply voltage.
pin 63 : <b>V</b> SS	: — : Ground.
pin 64 : IO 0 pin 65 : IO 1	: I/O : I/O port. : I/O : I/O port.
pin 66: 1O 2	: I/O : I/O port.
pin 67 : IO 3 pin 68 : DMQUT	: I/O : I/O port. : IN : Not in use.
pin 69 : CKSE	: IN : Not in use.
pin 70 : DACK pin 71 : TESIN	: IN : Not in use. : IN : Not in use.
pin 72 : TESIO1	: IN : Not in use.
pin 73 : <b>V</b> SS	: — : Ground.

```
: IN : DSP oscillator input.
: O : DSP oscillator output.
pin 74 : PX I
pin 74 : PX I
pin 75 : PX O
pin 76 : VDD
pin 77 : X VSS
pin 78 : X I
pin 79 : X O
pin 80 : X VDD

O : Bor oscillator output.
Positive supply voltage.
Ground for system oscillator clock.
IN : System clock oscillator input.
O : System clock oscillator output.

                               : Positive supply voltage for system clock
                                 oscillator.
                                 Positive supply voltage for right channel DAC.
 pin 81: D VSR
pin 82 : R O
pin 83 : D VDD
                               : Right channel data non-inverted output.
                                 Positive supply voltage for DAC.
                               : Reference voltage.
 pin 84 : D Vref
                         : O : Left channel data non-inverted output.
 pin 85 : L O
pin 86 : D VS L
pin 87 : TEST 1
pin 88 : TEST 2
pin 89 : TEST 3
                                : Positive supply voltage for left channel DAC.
                           IN: Not in use.
                           IN: Not in use.
                         : IN : Not in use.
 pin 90 : BUSO
pin 91 : BUS 1
                         : I/O: Data bus to micro computer.
                         : I/O : Data bus to micro computer.
 pin 92 : BUS 2
                         : I/O : Data bus to micro computer.
 pin 93 : BUS 3
                         : I/O: Data bus to micro computer.
 pin 94 : VDD
                               : Positive supply voltage.
 pin 95 : VSS
                           -: Ground.
 pin 96: BUS CK
                         : IN : Clock input for data bus.
                         : IN : Chip enable signal input. Negative logic.
 pin 97 : CCE
 pin 98 : TEST 4
                         : IN : Not in use.
 pin 99: TS MOD
                        : IN : Not in use.
 pin100: RST
                         : IN : Reset signal input. Negative logic.
Table 1. Playback speed flag.
```

Play back speed	UHSO(pin3)	HSO(pin2)
Normal speed × 1	Н	Н
Normal speed × 2	Н	L
Normal speed × 4	L	H
	L	L

**CD Mechanism Driver** 051-6026-08 TA2058F

1.Outward Form: 20 pins SOP win fins

2.Function : BTL Driver  $\times$  4 3.Terminal Description

: Positive supply voltage for the small signal stages. pin 1 : S VCC

: Input terminal of amplifier1. pin 2: IN 1

: Positive supply voltage for the power stage of amppin 3 : P VCC1

pin 4 : OUT 1 + : Non-inverted output terminal of amplifier 1.

pin 5: OUT 1 - : Inverted output terminal of amplifier 1. pin 6: OUT 2-: Inverted output terminal of amplifier 2.pin 7 : OUT 2 + : Non-inverted output terminal of amplifier 2.

pin 8 : P VCC 2 : Positive supply voltage for the plwer stage of ampl-

lifier 2.

: Input terminal of amplifier 2. pin 9 : IN 2

pin 10: Vref : Referance voltage input.

: Decide the standard voltage of output. pin 11: VCI

: Input terminal of amplifier 3. pin 12: IN 3

pin 13: P VCC 3 : Positive supply voltage for the power stage of amp-

lifier 3.

pin 14: OUT 3+ : Non-inverted output terminal of amplifier 3.

pin 15 : OUT 3 - : Inverted output terminal of amplifier 3. pin 16: OUT 4 - : Inverted output terminal of amplifier 4.

pin 17: OUT 4+ : Non-inverted output terminal of amplifier 4.

pin 18: P VCC 4 : Positive supply voltage for the power stage of amp-

pin 19: IN 4 : Input terminal of amplifier 4.

: Ground of the all small signal stages. pin 20 : S GND

The fins are ground of all power stages.

■ BA6283N	051-6027-00	Digital controled Motor Driver

1.Outward Form: S pine SIP

: Forward Rotation, Reverse Rotation, Brake, Free 2.Function

3. Terminal Description

: Motor drive output 2. Ref. Table 1. pin 1: OUT 2

: Output stage ground, Resistor connection pin 2: RNF

terminal to detect the output current.

: Motor drive output 1, Ref.Table 1. pin 3: OUT 1

: Positive supply volgate for the motor drivers. pin 4:VM

pin 5: GND : Ground.

pin 6: VCC : Positive supply voltage.

: Logic input. Ref.Table 1. pin 7:FIN

: Ground pin 8: GND

: Logic input. Ref. Table 1. pin 9: RIN

Table 1. Drive mode table.

Mode name	FIN (pin7)	RIN (pin8)	OUT 1 (pin3)	OUT 2 (pin1)
Forward Rotation	Н	L	Н	L
Reverse Rotation	L	Н	L	Н
Brake	н	н	L	L
Free	L	L	open	open

### ■ ELECTRICAL PARTS LIST:

### Mechanism PWB (B3) section(CD mechanism)

RE	F No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
С	1		6.3V 100 μ F	С	34	176-1501-00	15pF CH	Q	2	102-2712-00	2SC2712
c	2		6.3V 47 μ F	С	35	176-1501-00	15pF CH	R	1	117-1011-10	1/10W 100 Ω
c	3		0.1 μ F	С	38	178-1022-78	1000pF	R	2	117-1841-10	1/10W 180K Ω
c	4	176-2201-00	22pF CH	С	39	178-1042-78	0.1 μ F	R	3	117-1841-10	1/10W 180K Ω
c	5	176-1801-00	18pF CH	lc	40	178-1042-78	0.1 μ F	R	4	117-2201-10	1/10W 22 Ω
С	6	176-1801-00	18pF CH	c	41	183-1073-12	6.3V 100 μ F	R	5	117-8231-10	1/10W 82K Ω
c	7	1	82pF CH	С	43	183-1073-12	6.3V 100 μ F	R	6	117-1041-10	1/10W 100K $\Omega$
c	8	178-1042-78	0.1 μ F	С	44	183-4763-11	6.3V 47 μ F	R	7	117-1041-10	1/10W 100K Ω
c	9	į.	0.22 μ F	С	45	183-1073-12	6.3V 100 μ F	R	8	117-1031-10	1/10W 10K Ω
c	10		0.22 μ F	c	46	178-1032-78	0.01 μ F	R	9	117-2221-10	1/10W 2.2K Ω
c	11	176-4701-00	47pF CH	c	47	178-1042-78	0.1 μ F	R	10	117-1031-10	1/10W 10K $\Omega$
c	12	178-1532-78	0.015 μ F	c	48	178-1032-78	0.01 μ F	R	12	117-1031-10	1/10W 10K Ω
c	13	178-1032-78	0.01 μ F	С	49	176-6801-00	68pF CH	R	13	117-4731-10	1/10W 47K Ω
C	14	178-2722-78	2700pF	С	51	178-1032-78	0.01 μ F	R	15	117-4741-10	1/10W 470K Ω
c	15	178-4722-78	4700pF	С	52	178-1032-78	0.01 μ F	R	17	117-3331-10	1/10 <b>W 33</b> K Ω
c	16	176-1201-00	12pF CH	С	54	183-4763-11	6.3V 47 μ F	R	18	117-3311-10	1/10W 330 Ω
c	17	178-4712-78	470pF	С	55	178-1042-78	0.1 μ F	R	19	117-3321-10	1/10W 3.3K Ω
С	18	178-4712-78	470pF	С	56	178-1042-78	0.1 μ F	R	20	117-1031-10	1/10W 10K Ω
С	19	178-4732-78	0.047 μ F	C	58	178-1042-78	0.1 μ F	R	21	117-3321-10	1/10W 3.3K Ω
С	20	178-4732-78	0.047 μ F	С	59	178-2222-78	2200pF	R	22	117-3321-10	1/10W 3.3K Ω
С	21	178-4732-78	0.047 μ F	D	1	001-0563-00	GL380	R	23	117-3321-10	1/10W 3.3K Ω
С	22	178-4732-78	0.047 μ F	D	2	001-0563-00	GL380	R	24	117-3321-10	1/10W 3.3K Ω
С	23	178-1032-78	0.01 μ F	D	3	001-0563-00	GL380	R	26	117-1041-10	1/10W 100K Ω
С	25	183-1073-21	10V 100 μ F	D.	4	001-0330-00	1SS119	R	27	117-4711-10	1/10W 470 Ω
c	26	178-1042-78	0.1 μ F	IC	1	051-5704-00	TA2096FN	IR	28	117-2211-10	1/10W 220 Ω
С	27	178-1042-78	0.1 μ F	IC	2	051-6342-00	TC9462F	R	29	117-2211-10	1/10W 220 Ω
c	29	178-1042-78	0.1 μ F	IC	3	051-6026-08	TA2058F	R	30	117-4721-10	1/10W 4.7K Ω
С	30	178-1042-78	0.1 μ F	IC	4	051-6027-00	BA6283N	R	34	111-2711-91	1/4WS 270 Ω
С	31	178-1032-78	0.01 μ F	L.	1	010-2155-03	10 μ H	R	40	117-3321-10	1/10W 3.3K Ω
С	32	178-1032-78	0.01 μ F	L	3 .	010-2199-74	10 μ H J	X	1	061-3038-00	HC49 16.9344MHz
c	33	178-1042-78	0.1 μ F	Q	1	101-1237-50	2SB1237QR			<u> </u>	

### Sensor PWB (B6) section

REF No.	PART No.	DESCRIPTION	R	EF No.	PART No.	DESCRIPTION	Ī	REF No.	PART No.	DESCRIPTION
Q 101	060-0252-01	PT4850F	Q	102	060-0252-01	PT4850F	[	103	060-0252-01	PT4850F

### Limit switch PWB (B4) section

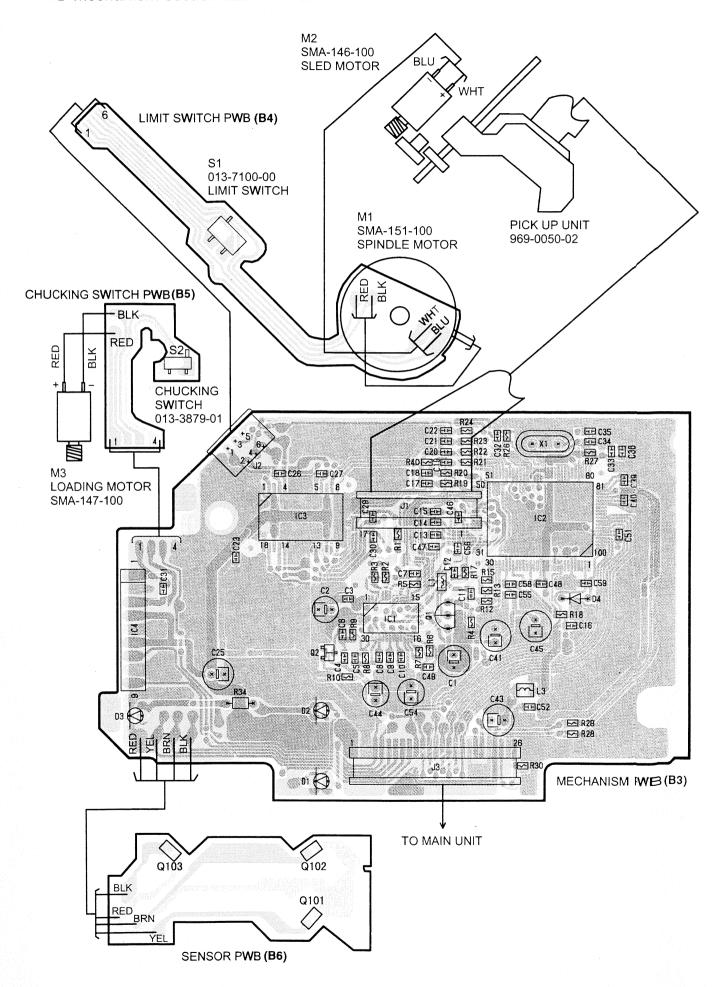
F No. PART No. DESCRIPTION	REF No.	PART No.	DESCRIPTION	Ţ	REF	No.	PART No.	DESCRIPTION
	M 2	SMA-146-100	SLED	Ŀ	3	1	013-7100-00	LIMIT

### , Chucking switch PWB (B5) section

REF No	PART No. DESCRIPTION		RE	F No.	PART No.	DESCRIPTION	
M 3	SMA-147-100	LOADING	s	2	013-3879-01	CHUCKING	

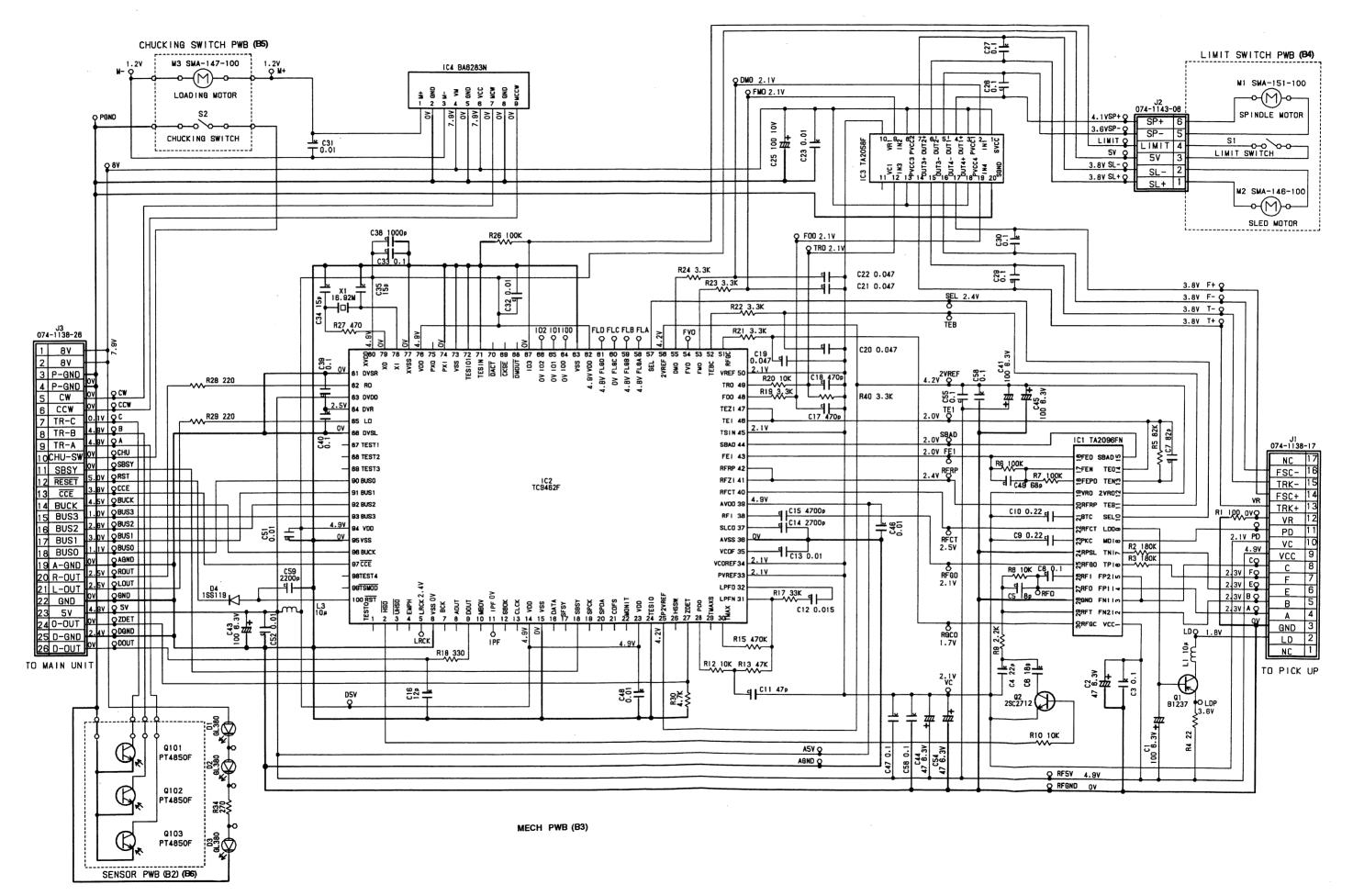
### ■ PRINTED WIRING BOARD:

CD mechanism section 929-0069-82

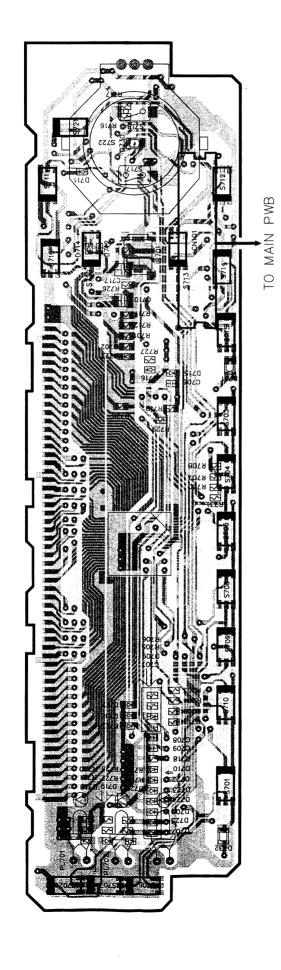


#### ■ CIRCUIT DIAGRAM:

CD mechanism section: 929-0069-82

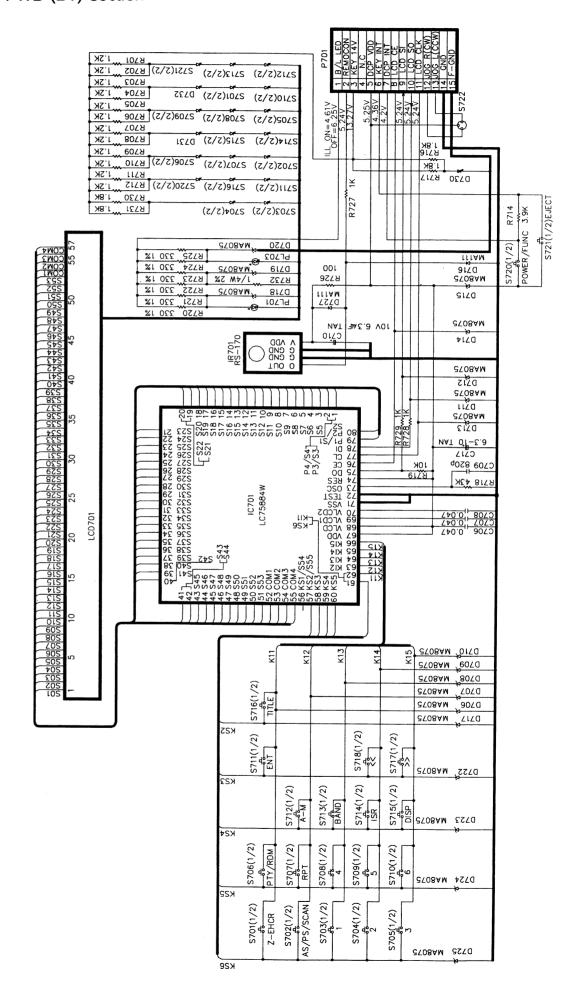


# ■ PRINTED WIRING BOARD: Switch PWB (B1) section



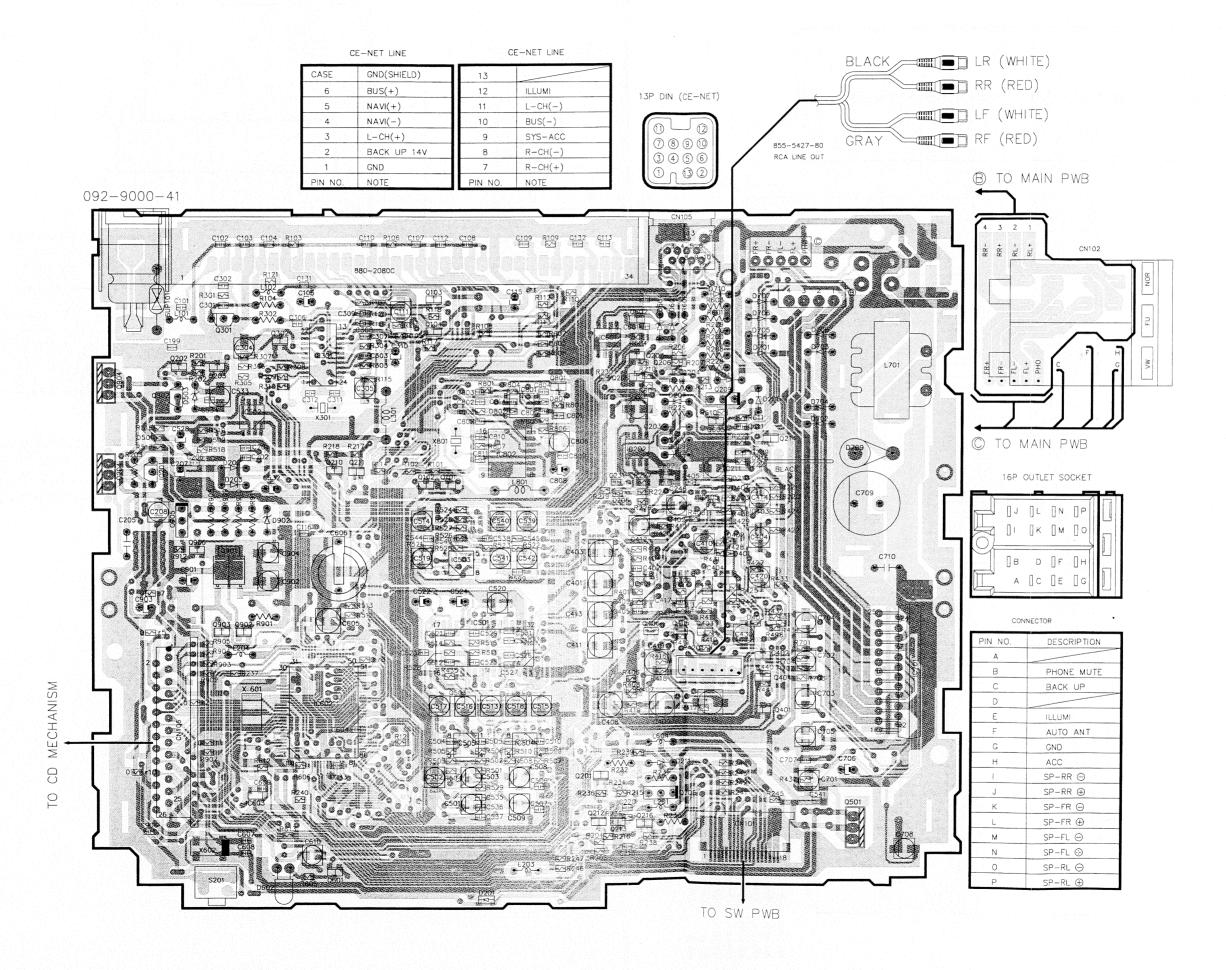
-23-

### ■ CIRCUIT DIAGRAM: Switch PWB (B1) section



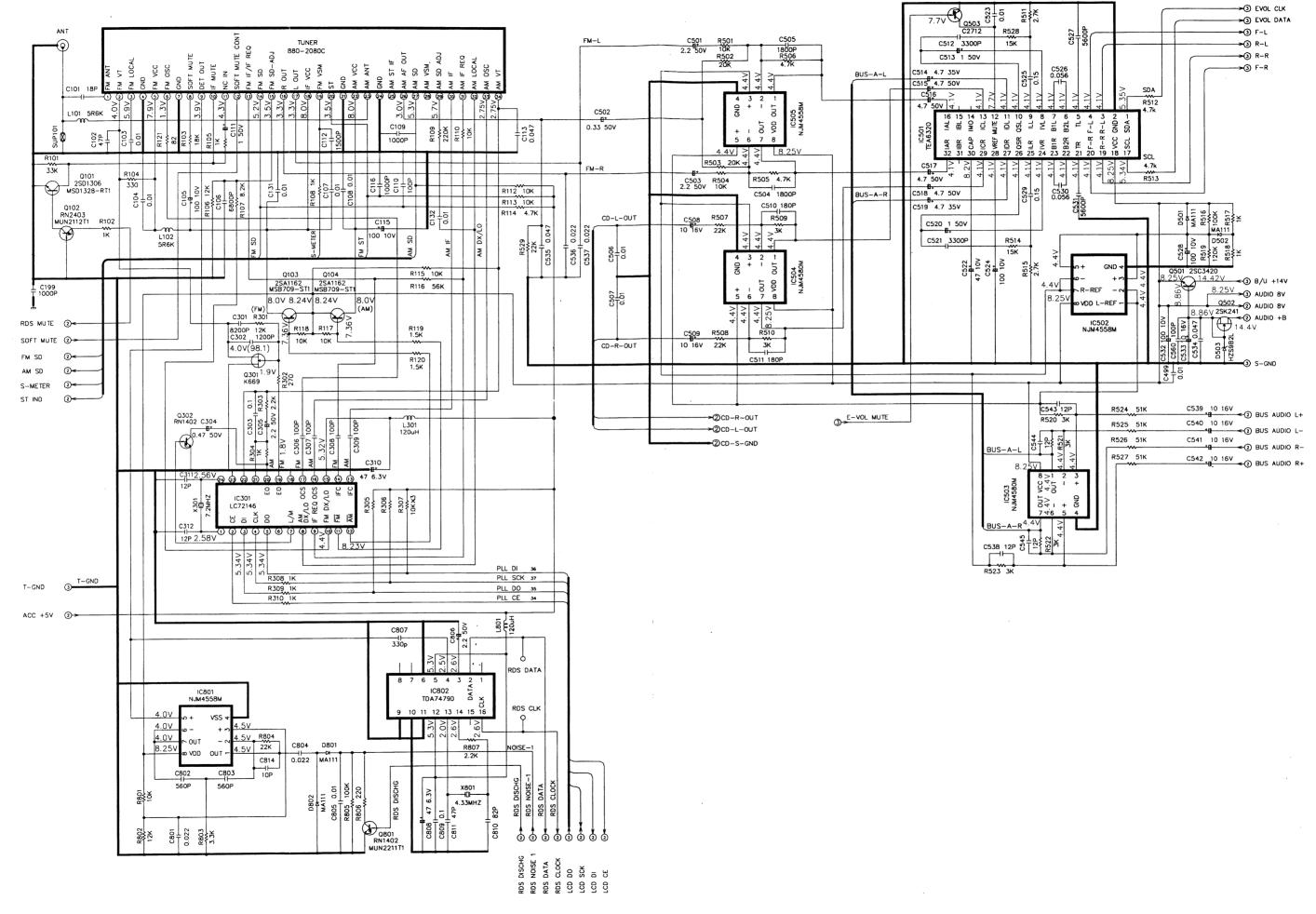
### ■ PRINTED WIRING BOARD:

Main PWB (B2) section

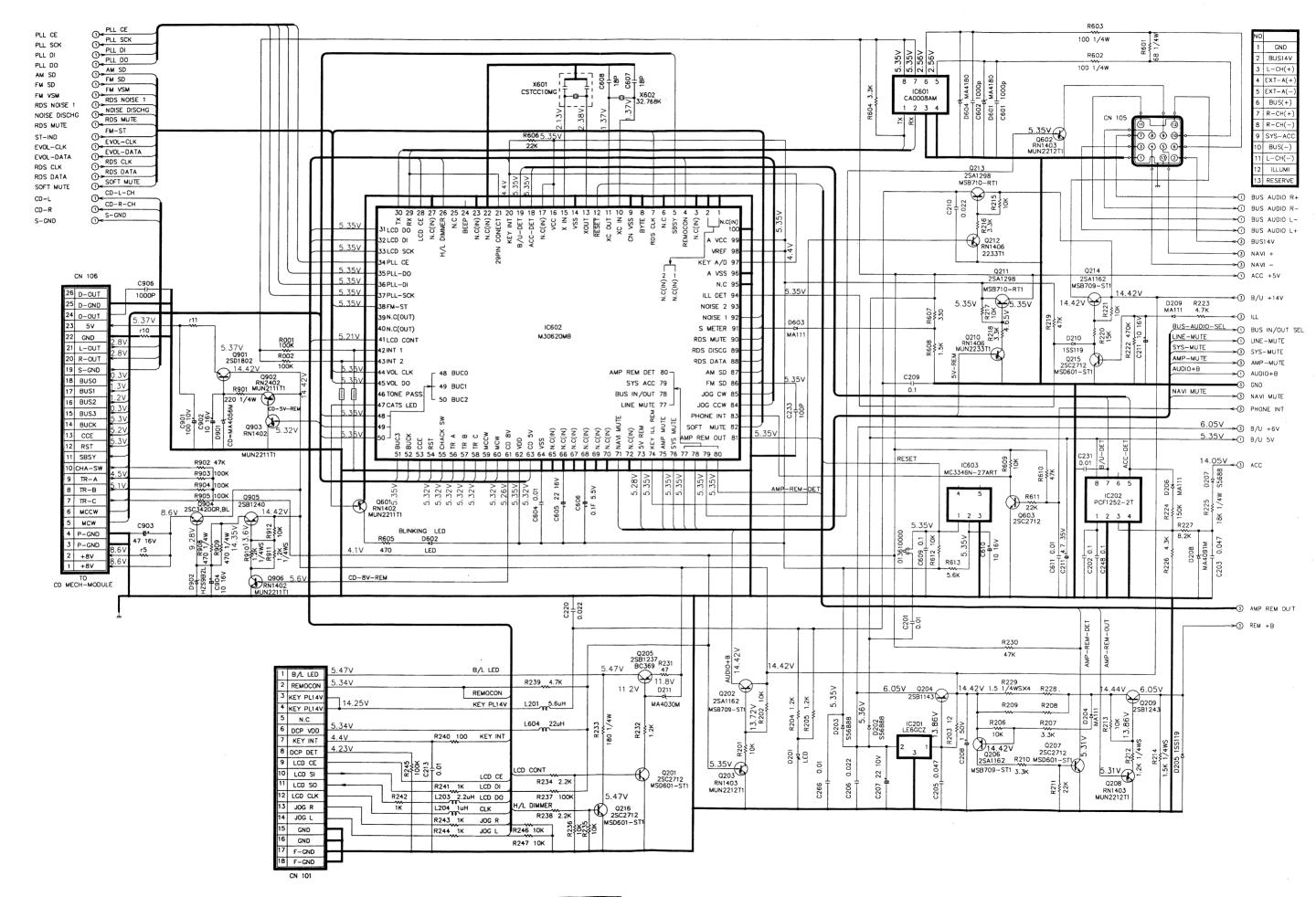


### **■** CIRCUIT DIAGRAM:

Main PWB (B2) section (1/3)



### Main PWB (B2) section (2/3)



### Main PWB (B2) section (3/3)

